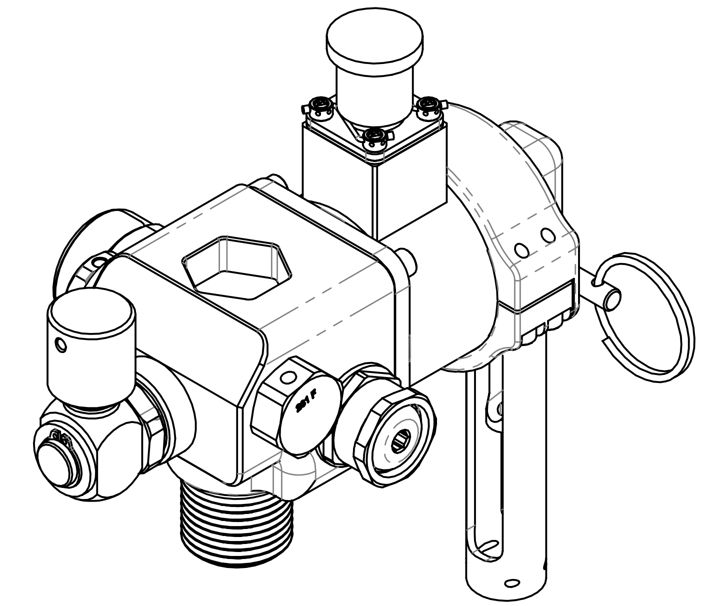
REVISIONS

REV.	DESCRIPTION	DATE	APPROVED
N/C	INITIAL RELEASE	05-30-14	P. BRAVO
A	INCORPORATED ECN 04716	10-17-14	P. BRAVO
B	INCORPORATED ECN 04915	04-02-15	P. BRAVO
C	INCORPORATED ECN 05044	07-23-15	P. BRAVO
D	INCORPORATED ECN 05087	08-14-15	P. BRAVO
E	INCORPORATED ECN 05124	09-01-15	P. BRAVO
F	INCORPORATED ECN 05317	02-11-16	P. BRAVO
G	INCORPORATED ECN 05343	03-15-16	P. BRAVO
H	INCORPORATED ECN 06036	07-18-18	P. BRAVO
J	INCORPORATED ECN 06159	08-20-19	P. BRAVO



650.53XX
(650.5301 SHOWN)

PROTOTYPE REVISIONS

ZONE	REV	DESCRIPTION	DATE	APPROVED	CHANGE CODE	EFFECTIVITY	REVISED BY
	PJ1 - PJ2	REFER TO PREVIOUS REVISIONS	09-22-2020	T. CROSS	MDI	NEXT ORDER	K. TAILOR
ALL A3-2 A8-2 B3-2 C3-2 A3-3 A8-3 B3-3 C3-3 D3-3 SHEET 4 A5-6 B2-6 C2-6	PJ3	REMOVED FLAG NOTES WHICH REFER TO ASSEMBLY INSTRUCTIONS REVISED NOTES: REMOVED NOTES AND FLAG NOTES WHICH REFER TO ASSEMBLY INSTRUCTIONS REVISED NOTES: CHANGED NOTES 4 AND 5 TO FLAG NOTES FLAG NOTE 5: ADDED REFERENCE TO 601.4399 O-RING F/N 24: P/N WAS 601.2587 IS MS16624-4037 F/N 25: REMOVED QUANTITY OF 2 FROM 650.5320 CONFIGURATION F/N 27: CHANGED QUANTITY TO 2 FOR ALL CONFIGURATIONS F/N 28: P/N WAS 601.3379 IS MS19060-1009 F/N 34: CHANGED QUANTITY TO 2 FOR ALL CONFIGURATIONS FLAG NOTE WAS 7 IS 3 REMOVED MAT'L SPECIFICATIONS F/N 15: REMOVED QUANTITY OF 1 FROM 650.5322 CONFIGURATION F/N 1 AND F/N 2: REMOVED QUANTITY OF 1 FROM 650.5322 CONFIGURATION ADDED F/N 93 AND F/N 94 REMOVED MAT'L SPECIFICATIONS (EXCEPT FOR CONSUMABLES) F/N 69: P/N WAS 601.3538 IS AN565FC6H2 F/N 71: P/N WAS 601.1876 IS MS20995C20 F/N 72: P/N WAS 605.0052 IS MS15795-814 F/N 58: MAT'L WAS PARKER 884-2 IS PARKER SLUBE 884-2 F/N 52: REMOVED QUANTITY OF 1 FROM 650.5320 CONFIGURATION F/N 35: P/N WAS 601.0761 IS 601.2173 FLAG NOTE WAS 6 IS 2. "SHEET 5" WAS "SHEET 6" ADDED FLAG NOTE 4 CALLOUT ADDED F/N 93 CALLOUT ADDED FLAG NOTE 5 AND F/N 94 CALLOUT	03-07-2020	T. CROSS T.C.	MDI	NEXT ORDER	K. TAILOR

ORIGINAL DATE (MO-DA-YR) 05-30-14	DART AEROSPACE APICAL INDUSTRIES, INC. dba DART AEROSPACE 3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 (760)-724-5300
DRAWN BY J. GARDINER / CHECKER P. BRAVO	
DRAWING APPROVAL P. BRAVO 20.08.21	
CONTRACT No.	ELECTRIC VALVE ASSY
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ± .5°	SIZE B · CAGE CODE 07MZ6 · DWG. NO. 650.5300 · REV. PJ3
	SCALE NONE · SHEET 1 OF 20

Released on 4/19/2021

NOTES: (PJ3)

1. ASSEMBLE IAW MPP-179
2. LASER ENGRAVE OR DOT MARK VALVE P/N, S/N, AND REVISION IAW MPP-120
3. REFER TO SHEETS 14-20 FOR CONFIGURATION SPECIFIC VIEWS
4. EXTRA 601.3374 O-RING AND 650.7010 PUNCTURE DISC REQUIRED FOR POST FUNCTIONAL TEST ASSEMBLY
5. EXTRA 601.1091/601.4399 O-RING REQUIRED FOR POST LEAKAGE TEST ASSEMBLY

.5322	.5321	.5320	.5319	.5318	.5317	.5316	.5315	.5314	.5313	.5312	.5311	.5310	.5309	.5308	.5307	.5306	.5305	.5304	.5303	.5302	.5301	F/N	P/N	DESCRIPTION	MAT'L	SPEC
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	34	601.3374	O-RING		
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	33	601.3373	O-RING		
1	3	1	1	3	3	1	1	1	1	1	3	3	1	3	3	1	3	3	1	3	3	32	601.3376	O-RING		
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	31	601.3380	BAYONET SPRING		
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	650.7201	BAYONET ASSEMBLY		
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	29	650.9511	MAIN SEAL POPPET		
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	28	MS19060-1009	TRIGGER BALL		
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	27	650.7010	PUNCTURE DISC		
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	26	650.7110	DISC RETAINER		
2	2		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	25	601.1091	O-RING		
	1			1	1					1	1	1	1	1	1	1	1	1	1	1	1	24	MS16624-4037	SNAP RING		
	1			1	1					1	1	1	1	1	1	1	1	1	1	1	1	23	NAS1149C0663R	WASHER		
1						1	1	1	1													22	650.6213	BANJO -10		
										1			1			1			1			21	650.6212	BANJO -8		
				1							1			1			1			1		20	650.6211	BANJO -6		
	1				1							1			1			1			1	19	650.6210	BANJO -4		
1		1	1			1	1	1	1													18	650.6316	SWIVEL FITTING		
										1			1			1			1			17	650.6302	SWIVEL FITTING ASSY		
	1			1	1						1	1		1	1		1	1		1	1	16	650.6301	SWIVEL FITTING ASSY		
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15	600.0266	FUSIBLE PLUG		
						1		1		1	1	1				1	1	1				14	650.6515	EXTENDED GAUGE ADAPTER		
							1		1				1	1	1				1	1	1	13	650.6512	GAUGE ADAPTER		
1	1			1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	12	601.3739	GAUGE		
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	11	601.1086	O-RING		
4	2	4	3	2	2	3	3	3	3	3	1	1	3	1	1	3	1	1	3	1	1	10	601.1088	O-RING		
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	9	601.1084	O-RING		
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	8	654.6412	FILL PISTON FITTING		
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7	654.6411	PLUG FITTING		
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6	654.6410	FILL PORT		
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5	650.6511	FILL PORT ADAPTER		
																						4	DELETED			
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	601.2939	O-RING		
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	600.0248	SAFETY DISC		
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	650.6410	SAFETY DISC RETAINER (6K)		
X																							650.5322	ANGLED GAUGE VALVE ASSY -10		3
	X																						650.5321	MECHANICAL VALVE ASSY -4		3
		X																					650.5320	THERMOMANOMETER VALVE ASSY		3
			X																				650.5319	VALVE ASSY -8/-10 FLARELESS		3
				X																			650.5318	90 DEGREE GAUGE VALVE ASSY -6		3
					X																		650.5317	ANGLED GAUGE VALVE ASSY -4		3
						X																	650.5316	LONG GAUGE VALVE ASSY -10		
							X																650.5315	VALVE ASSY -10		
								X															650.5314	LONG GAUGE VALVE ASSY -10		
									X														650.5313	VALVE ASSY -10		
										X													650.5312	LONG GAUGE VALVE ASSY -8		
											X												650.5311	LONG GAUGE VALVE ASSY -6		
												X											650.5310	LONG GAUGE VALVE ASSY -4		
													X										650.5309	VALVE ASSEMBLY -8		
														X									650.5308	VALVE ASSEMBLY -6		
															X								650.5307	VALVE ASSEMBLY -4		
																X							650.5306	LONG GAUGE VALVE ASSY -8		
																	X						650.5305	LONG GAUGE VALVE ASSY -6		
																		X					650.5304	LONG GAUGE VALVE ASSEMBLY -4		
																			X				650.5303	VALVE ASSEMBLY -8		
																				X			650.5302	VALVE ASSEMBLY -6		
																					X		650.5301	VALVE ASSEMBLY -4		
QTY																							PARTS LIST			

NEXT ASSY (S)

ORIGINAL DATE (MO-DA-YR) 05-30-14
DRAWN BY J. GARDINER | CHECKER P. BRAVO
DRAWING APPROVAL P. BRAVO 20.08.21
CONTRACT No.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
2 PLACE DECIMALS ±.01
3 PLACE DECIMALS ±.005
ANGLES ± .5°

DART AEROSPACE
APICAL INDUSTRIES, INC. dba DART AEROSPACE
3030 ENTERPRISE CT., SUITE A
VISTA, CA. 92081
(760)-724-5300

ELECTRIC VALVE ASSY

SIZE	CAGE CODE	DWG. NO.	REV.
B	07MZ6	650.5300	PJ3

SCALE NONE

PJ3

.5322	.5321	.5320	.5319	.5318	.5317	.5316	.5315	.5314	.5313	.5312	.5311	.5310	.5309	.5308	.5307	.5306	.5305	.5304	.5303	.5302	.5301	F/N	P/N	DESCRIPTION	MAT'L	SPEC
		2																				94	601.4399	O-RING		
		1																				93	654.9510	ELECTRIC VALVE BODY		
1																						92	651.5610	THERMAL PLUG ADAPTER		
1																						91	624.7610	-6 BURST ADAPTER		
1																						90	600.0249	SAFETY DISC		
		1	1			1	1			1	1	1	1	1	1							89	650.8402	PLUNGER		
A/R	A/R			A/R	A/R			A/R	A/R							A/R	A/R	A/R	A/R	A/R	A/R	88	600.0117	VINYL ELECTRICAL TAPE	3M SCOTCH 35	
1		1	2	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	87	601.4393	DUST CAP		
		1	1																			86	654.6517	FLARELESS DIFFUSER CAP -10		
		1	1																			85	654.6516	FLARELESS DIFFUSER CAP -8		
	1																					84	654.0112	CAP RETAINER		
	1																					83	654.0111	CAP		
	1																					82	654.0110	MECHANICAL HOUSING		
	1																					81	601.2590	O-RING		
		1	1																			80	650.6215	DUAL BANJO -8 -10		
			1																			79	601.4331	PRESSURE TRANSDUCER		
		1		1																		78	652.4801	90 DEGREE GAUGE ADAPTER		
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	77	601.1090	O-RING		
1	1	1		1	1																	76	650.6513	THERMAL ADAPTER		
					1																	75	MS3181-8CA	RECEPTACLE COVER		
1	1				1																	74	651.0101	ANGLED GAUGE ADAPTER		
1		1	1			1	1	1	1													73	MS21043-6	LOCKNUT		
1		1	1			1	1	1	1													72	MS15795-814	WASHER		
A/R	A/R			A/R	A/R			A/R	A/R							A/R	A/R	A/R	A/R	A/R	A/R	71	MS20995C20	SAFETY WIRE		
		1	1			1	1			1	1	1	1	1	1							70	601.3893	O-RING		
		12	12			12	12			12	12	12	12	12	12							69	AN565FC6H2	OVAL POINT SET SCREW		
		1	1			1	1			1	1	1	1	1	1							68	650.7710	ELECTRIC CAP		
1	1			1	1			1	1							1	1	1	1	1	1	67	650.8401	PLUNGER		
1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	66	601.3626	O-RING		
A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	65	601.2045	RTV	LOCTITE 598	
A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	64	600.0903	LOCTITE RETAINING COMPOUND	LOCTITE 222MS	
A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	63	600.1025	LOCTITE RETAINING COMPOUND	LOCTITE 248	
A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	62	601.1928	TORQUE SEAL	F-925 SKYDROL RES.	
A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	61	601.2974	STAINLESS STEEL ANTISEIZE	MIL-A-907E	
A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	60	600.1044	O-RING GREASE/LUBRICANT	KRYTOX 240AZ	
A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	59	601.3560	DIELECTRIC GREASE	DOW CORNING-4	
A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	58	601.3559	SUPER O-LUBE	PARKER SLUBE 884-2	
4	4			4	4			4	4							4	4	4	4	4	4	57	NAS1352C06-10	SOCKET HEAD CAP SCREW		
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	56	650.6910	SHUTTLE HOUSING		
1	1			1	1			1	1							1	1	1	1	1	1	55	650.7810	PULL ROD		
2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	54	601.1089	O-RING		
																						53	DELETED			
1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	52	650.9610	ELECTRIC VALVE BODY		
1				1	1			1	1							1	1	1	1	1	1	51	650.7712	CAP		
1				1	1			1	1							1	1	1	1	1	1	50	650.7711	CAP RETAINER		
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	49	601.3539	BACK UP RING		
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	48	650.7310	SPRING STOP		
		1																				47	601.4369	THERMOMANOMETER		
1						1	1	1	1													46	654.6513	DIFFUSER CAP -10		
										1			1			1			1			45	654.6512	DIFFUSER CAP -8		
2				1							1			1			1			1		44	654.6511	DIFFUSER CAP -6		
	1				1							1			1			1			1	43	654.6510	DIFFUSER CAP -4		
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	42	NAS1352C06-6	SOCKET HEAD CAP SCREW		
1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	41	650.7401	SOLENOID ASSY		
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	40	601.3371	O-RING		
1	1			1	1			1	1							1	1	1	1	1	1	39	MS35275-211	SCREW		
1	1			1	1			1	1							1	1	1	1	1	1	38	650.7610	TRIGGER		
1	1			1	1			1	1							1	1	1	1	1	1	37	601.3375	O-RING		
1	1			1	1			1	1							1	1	1	1	1	1	36	650.7910	SHROUD		
1	1			1	1			1	1							1	1	1	1	1	1	35	601.2173	SAFETY PIN		

PJ3 PJ3 PJ3 PJ3 PJ3 PJ3

ORIGINAL DATE (MO-DA-YR)	05-30-14
DRAWN BY: J. GARDINER	CHECKER: P. BRAVO
DRAWING APPROVAL: P. BRAVO 20.08.21	
CONTRACT No.	

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3 PLACE DECIMALS ±.005
ANGLES ± .5°

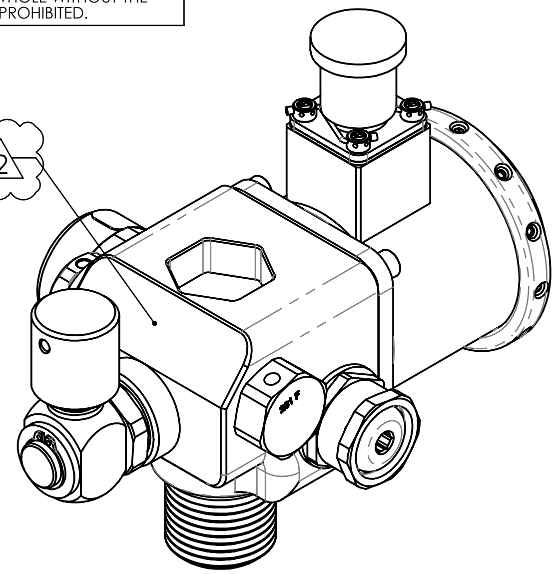
DART AEROSPACE
APICAL INDUSTRIES, INC. dba DART AEROSPACE
3030 ENTERPRISE CT., SUITE A
VISTA, CA. 92081
(760)-724-5300

ELECTRIC VALVE ASSY

SIZE	CAGE CODE	DWG. NO.	REV.
B	07MZ6	650.5300	PJ3

SCALE NONE

PJ3 2



PJ3 650.53XX - XX - ELEC - XX

ROOT DRAWING ASSEMBLY NUMBER

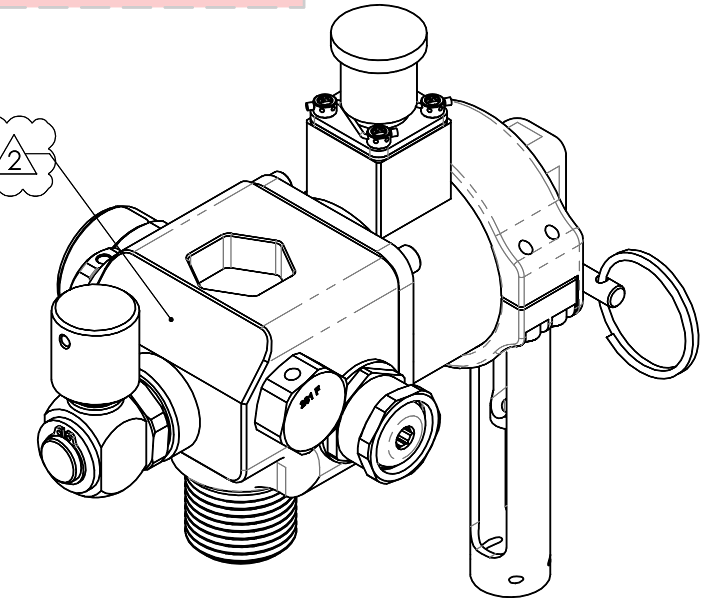
SOLENOID ORIENTATION (SEE SHEET 5)

SHROUD ROTATION ANGLE & DIRECTION (NOT APPLICABLE, REPLACE WITH "ELEC")

PORT FITTING CONFIGURATION (SEE SHEET 5)

PART NUMBER LAYOUT FOR ELECTRICAL ONLY CONFIGURATIONS

PJ3 2



PJ3 650.53XX - XX - XXX XX - XX

ROOT DRAWING ASSEMBLY NUMBER

SOLENOID ORIENTATION (SEE SHEET 5)

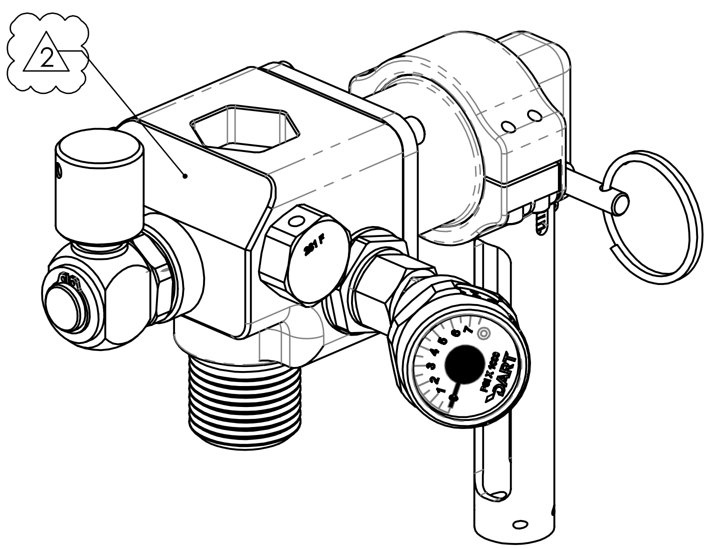
SHROUD ROTATION ANGLE (SEE SHEET 5)

DIRECTION OF SHROUD ROTATION (SEE SHEET 5)

PORT FITTING CONFIGURATION (SEE SHEET 5)

PART NUMBER LAYOUT FOR ELECTRICAL/MECHANICAL CONFIGURATIONS

PJ3 2



PJ3 650.53XX - MECH - XXX XX - XX

ROOT DRAWING ASSEMBLY NUMBER

SOLENOID ORIENTATION (NOT APPLICABLE, REPLACE WITH "MECH")

SHROUD ROTATION ANGLE (SEE SHEET 5)

DIRECTION OF SHROUD ROTATION (SEE SHEET 5)

PORT FITTING CONFIGURATION (SEE SHEET 5)

PART NUMBER LAYOUT FOR MECHANICAL CONFIGURATIONS

ORIGINAL DATE (MO-DA-YR) 05-30-14	
DRAWN BY J. GARDINER	CHECKER P. BRAVO
DRAWING APPROVAL P. BRAVO 20.08.21	
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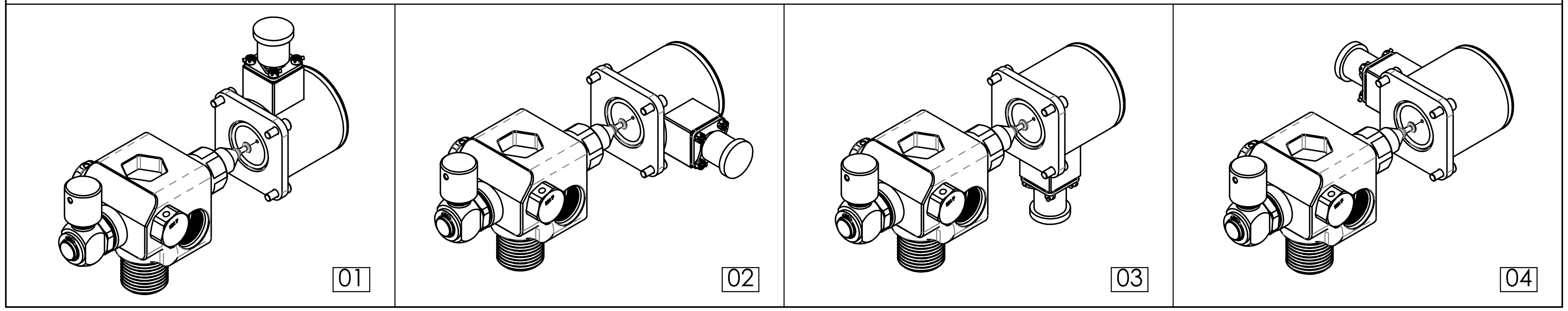
DART AEROSPACE
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VISTA, CA. 92081
(760)-724-5300

ELECTRIC VALVE ASSY

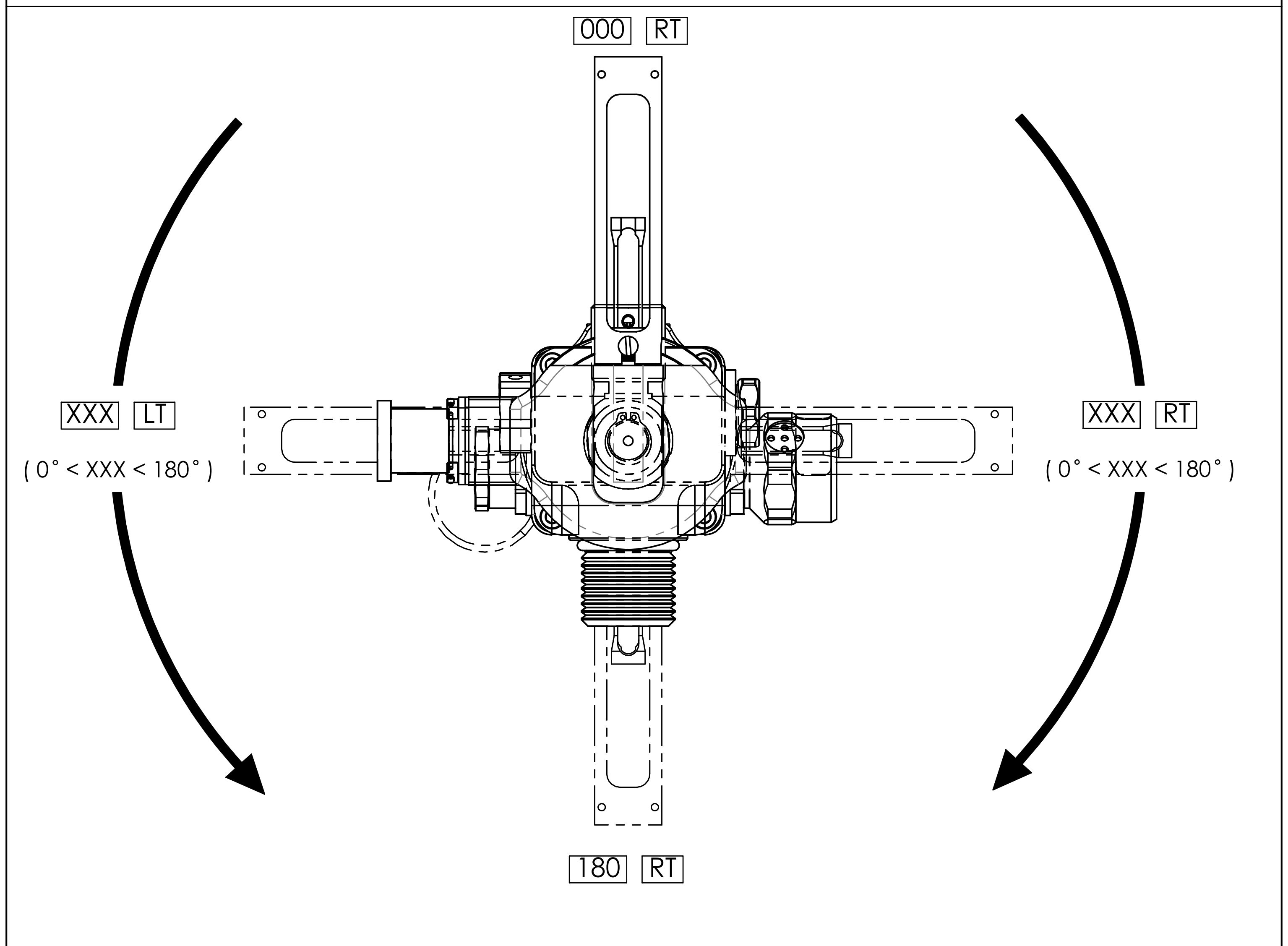
SIZE	CAGE CODE	DWG. NO.	REV.
B	07MZ6	650.5300	PJ3

SCALE NONE SHEET 4 OF 20

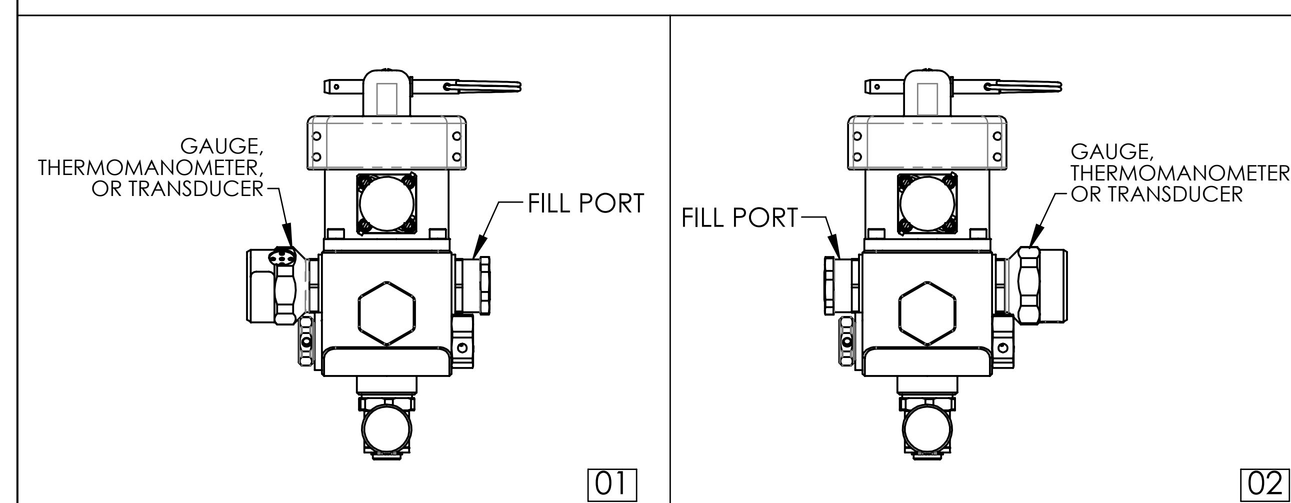
SOLENOID ORIENTATION - 650.53XX - [XX] - XXX XX - XX



SHROUD ROTATION ANGLE AND DIRECTION - 650.53XX - XX - [XXX] [XX] - XX



PORT FITTING CONFIGURATION - 650.53XX - XX - XXX XX - [XX]



ORIGINAL DATE (MO-DA-YR)	05-30-14
DRAWN BY J. GARDINER	CHECKER P. BRAVO
DRAWING APPROVAL P. BRAVO 20.08.21	
CONTRACT No.	

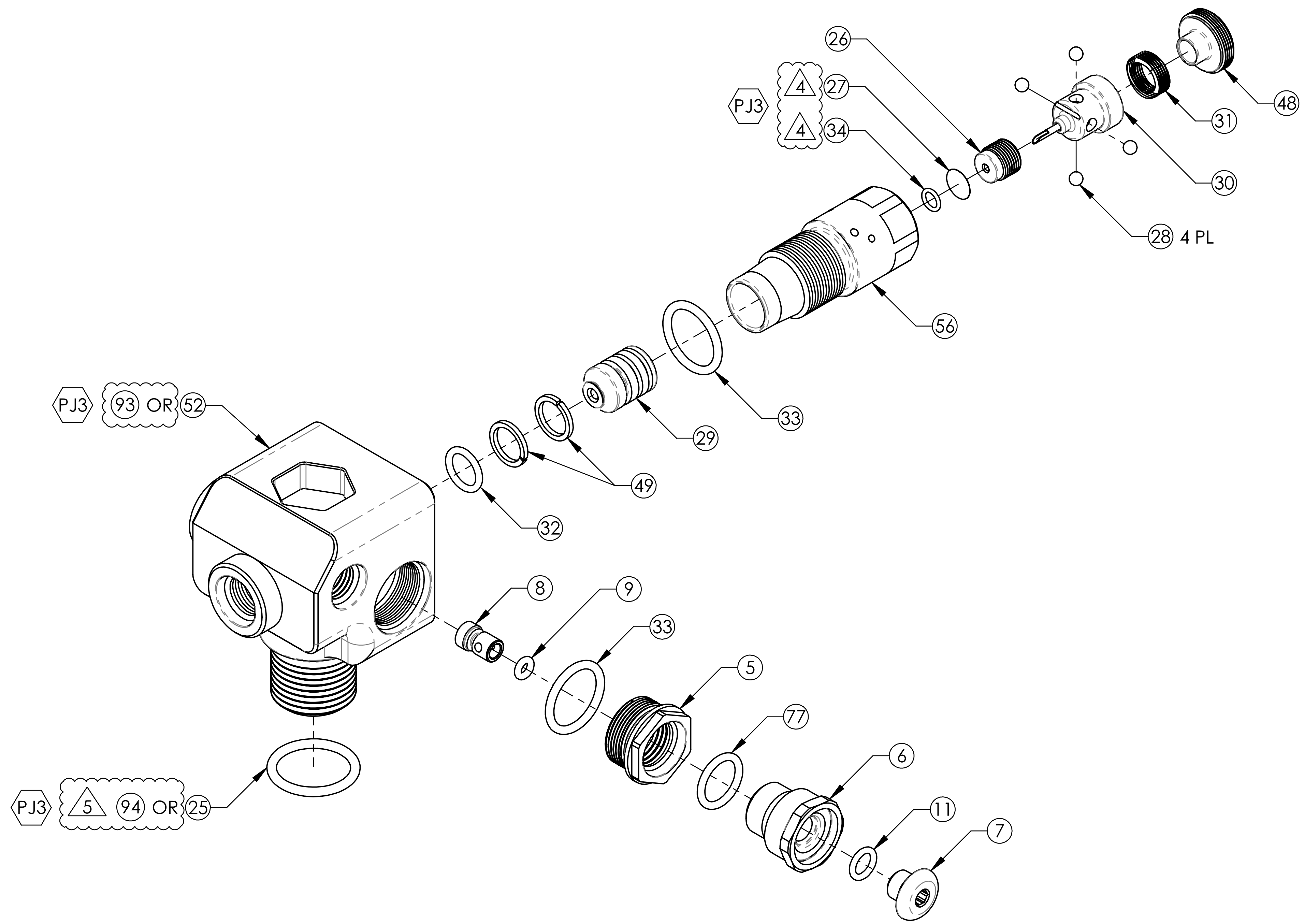
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
2 PLACE DECIMALS ±.01
3 PLACE DECIMALS ±.005
ANGLES ± .5°

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ELECTRIC VALVE ASSY

SIZE	CAGE CODE	DWG. NO.	REV.
B	07MZ6	650.5300	PJ3

SCALE NONE



TYPICAL INTERNAL COMPONENTS AND FILL PORT INSTALLATION
(ALL CONFIGURATIONS)
(EXPLODED VIEW)

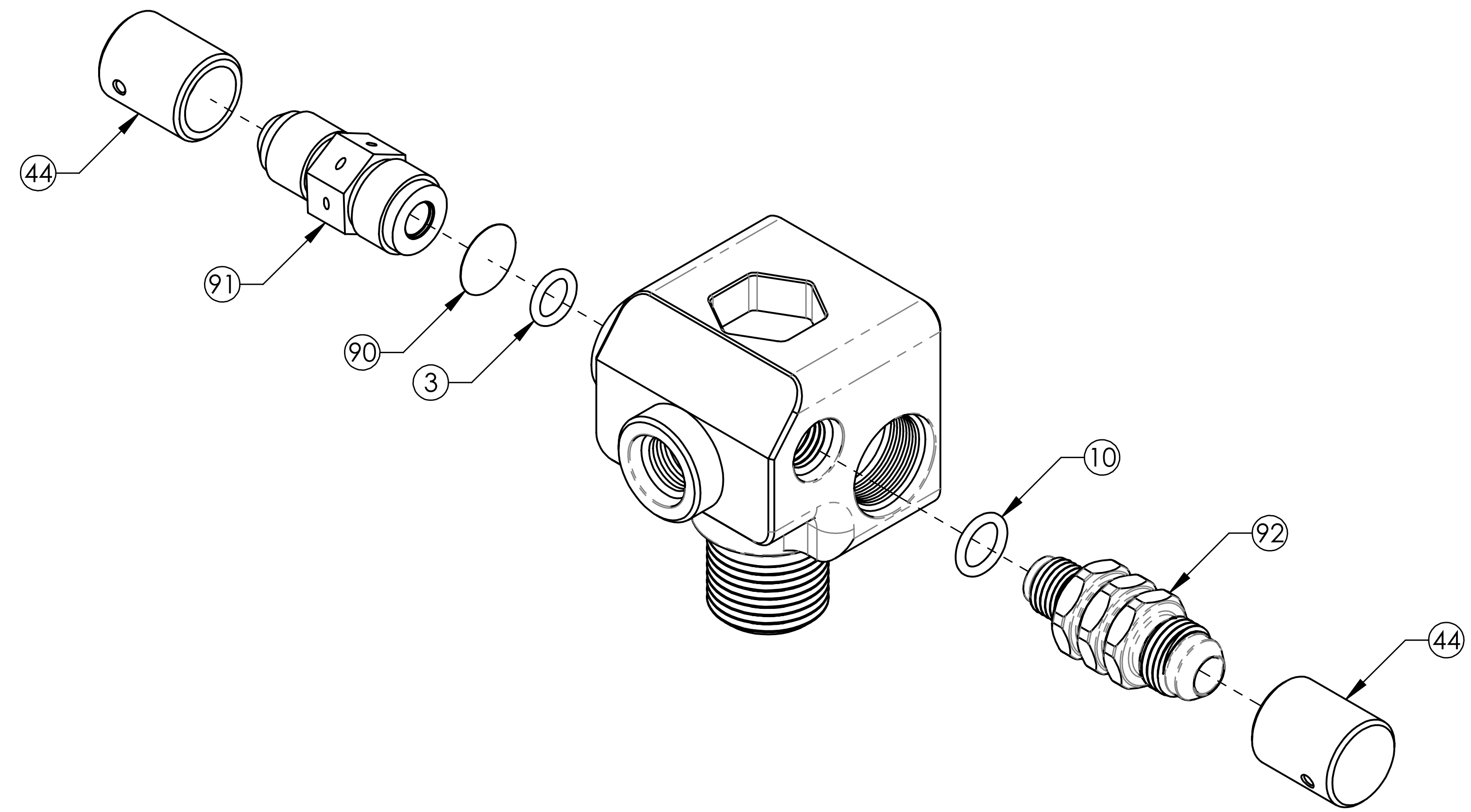
ORIGINAL DATE (MO-DA-YR) 05-30-14	
DRAWN BY J. GARDINER	CHECKER P. BRAVO
DRAWING APPROVAL P. BRAVO 20.08.21	
CONTRACT No.	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ± .5°	

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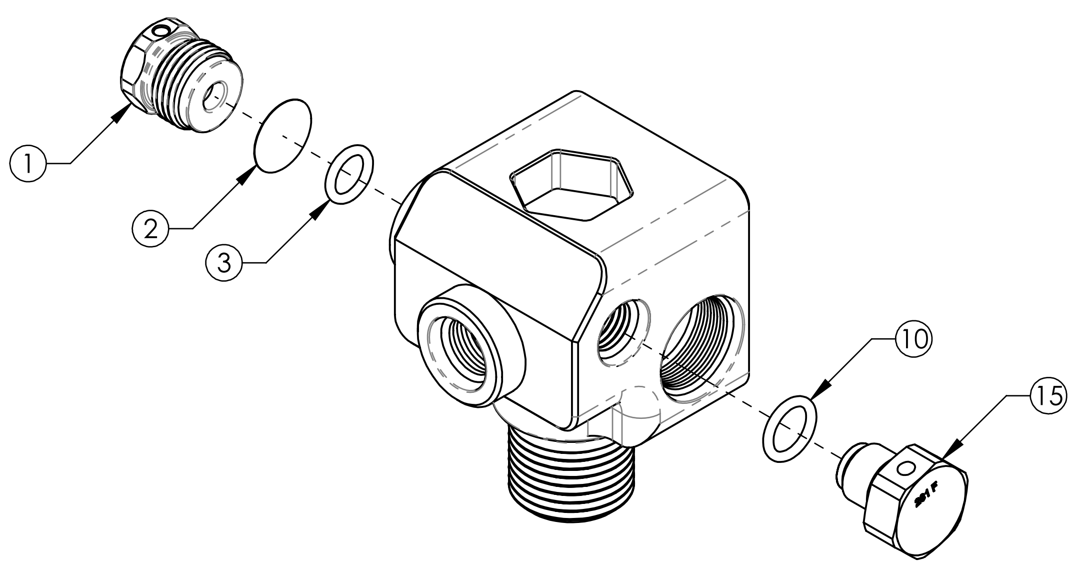
ELECTRIC VALVE ASSY

SIZE	CAGE CODE	DWG. NO.	REV.
B	07MZ6	650.5300	PJ3

SCALE NONE

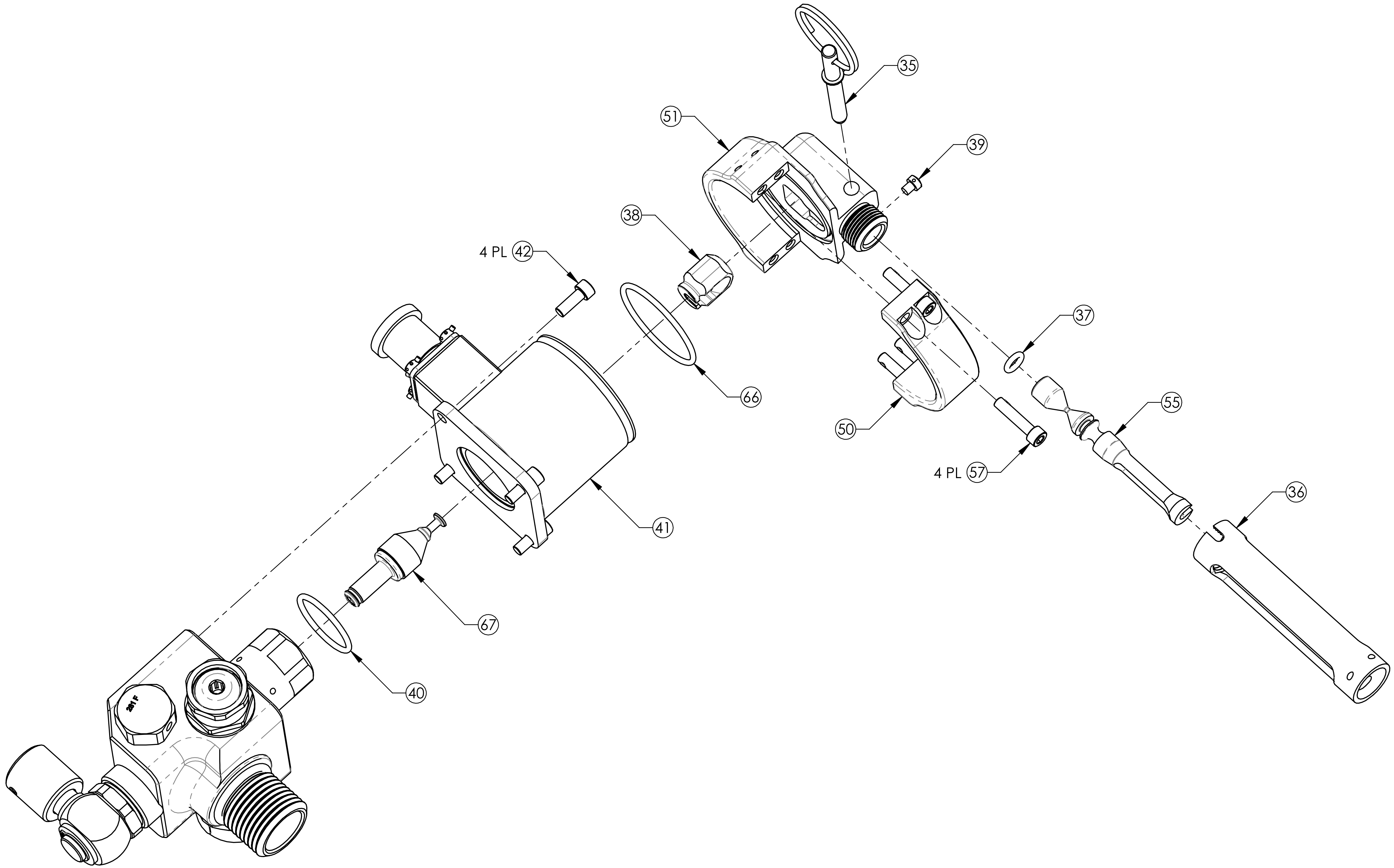


THERMAL PLUG ADAPTER AND BURST ADAPTER INSTALLATION
(650.5322 CONFIGURATION ONLY)
(EXPLODED VIEW)



TYPICAL FUSIBLE PLUG AND SAFETEY DISC RETAINER INSTALLATION
(650.5301-650.5321 CONFIGURATIONS ONLY)
(EXPLODED VIEW)

ORIGINAL DATE (MO-DA-YR) 05-30-14		DART AEROSPACE APICAL INDUSTRIES, INC. dba DART AEROSPACE	3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 (760)-724-5300
DRAWN BY J. GARDINER	CHECKER P. BRAVO		
DRAWING APPROVAL P. BRAVO 20.08.21		ELECTRIC VALVE ASSY	
CONTRACT No.			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ± .5°		SIZE B / CAGE CODE 07MZ6 / DWG. NO. 650.5300	REV. PJ3
		SCALE NONE	SHEET 7 OF 20



TYPICAL SOLENOID AND PULL ROD HOUSING INSTALLATION
(ELECTRICAL/MECHANICAL CONFIGURATIONS ONLY)
(EXPLODED VIEW)

ORIGINAL DATE (MO-DA-YR) 05-30-14	
DRAWN BY J. GARDINER	CHECKER P. BRAVO
DRAWING APPROVAL P. BRAVO 20.08.21	
CONTRACT No.	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ± .5°	

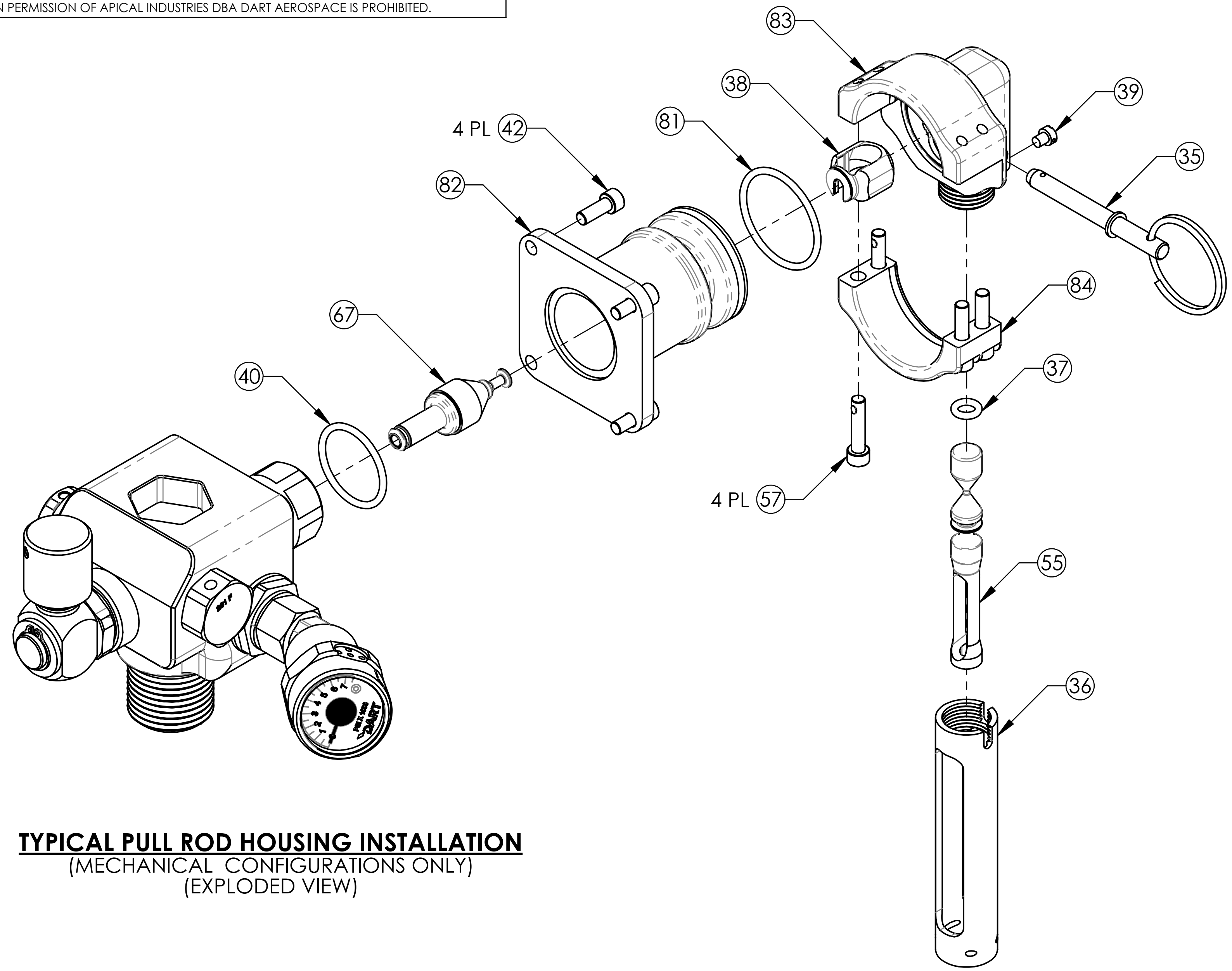
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ELECTRIC VALVE ASSY

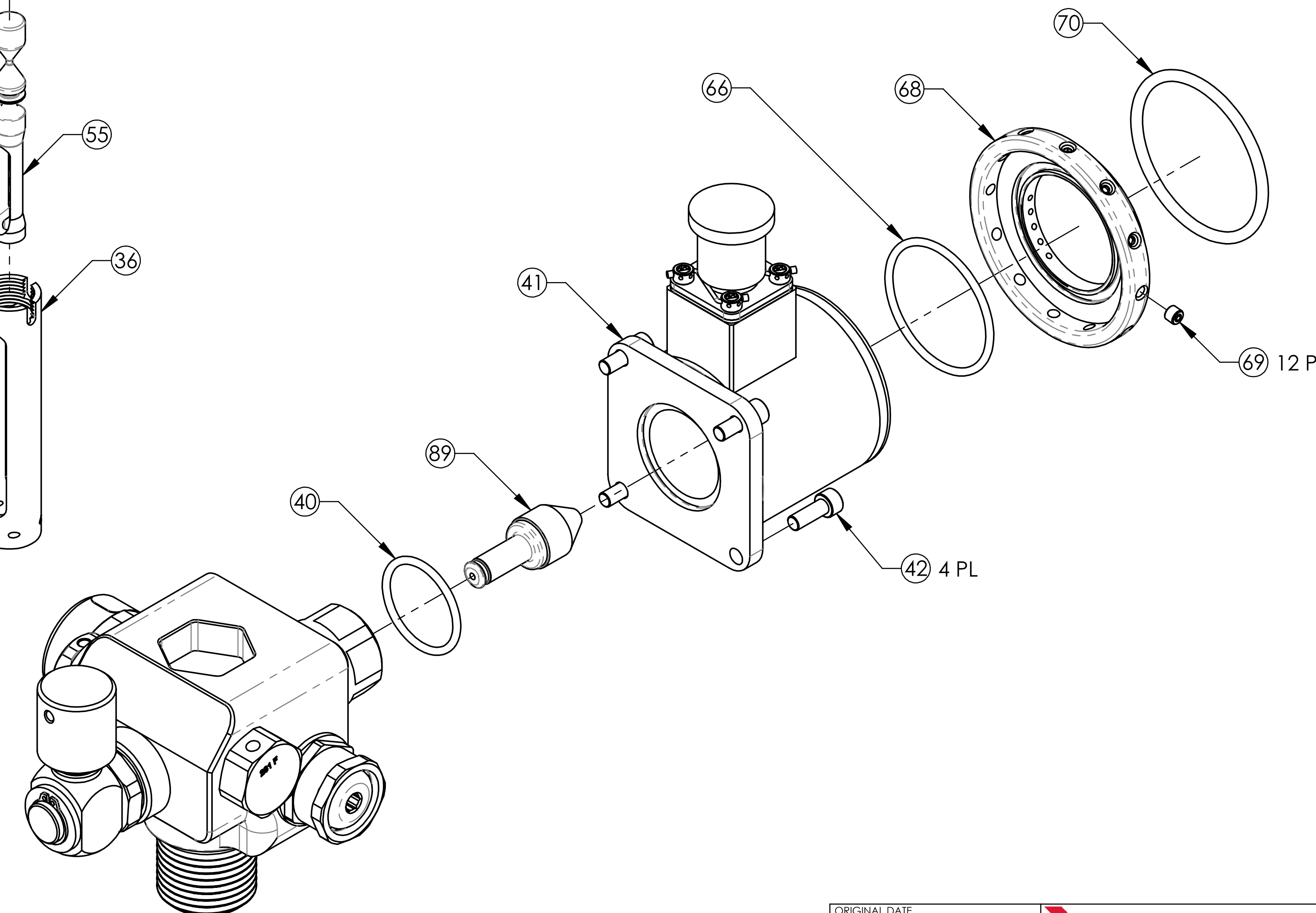
SIZE	CAGE CODE	DWG. NO.	REV.
B	07MZ6	650.5300	PJ3

SCALE NONE

Released on 4/19/2021



TYPICAL PULL ROD HOUSING INSTALLATION
(MECHANICAL CONFIGURATIONS ONLY)
(EXPLODED VIEW)



TYPICAL SOLENOID INSTALLATION
(ELECTRICAL CONFIGURATIONS ONLY)
(EXPLODED VIEW)

ORIGINAL DATE (MO-DA-YR) 05-30-14	
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DRAWING APPROVAL P. BRAVO 20.08.21	
CONTRACT No.	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ± .5°	

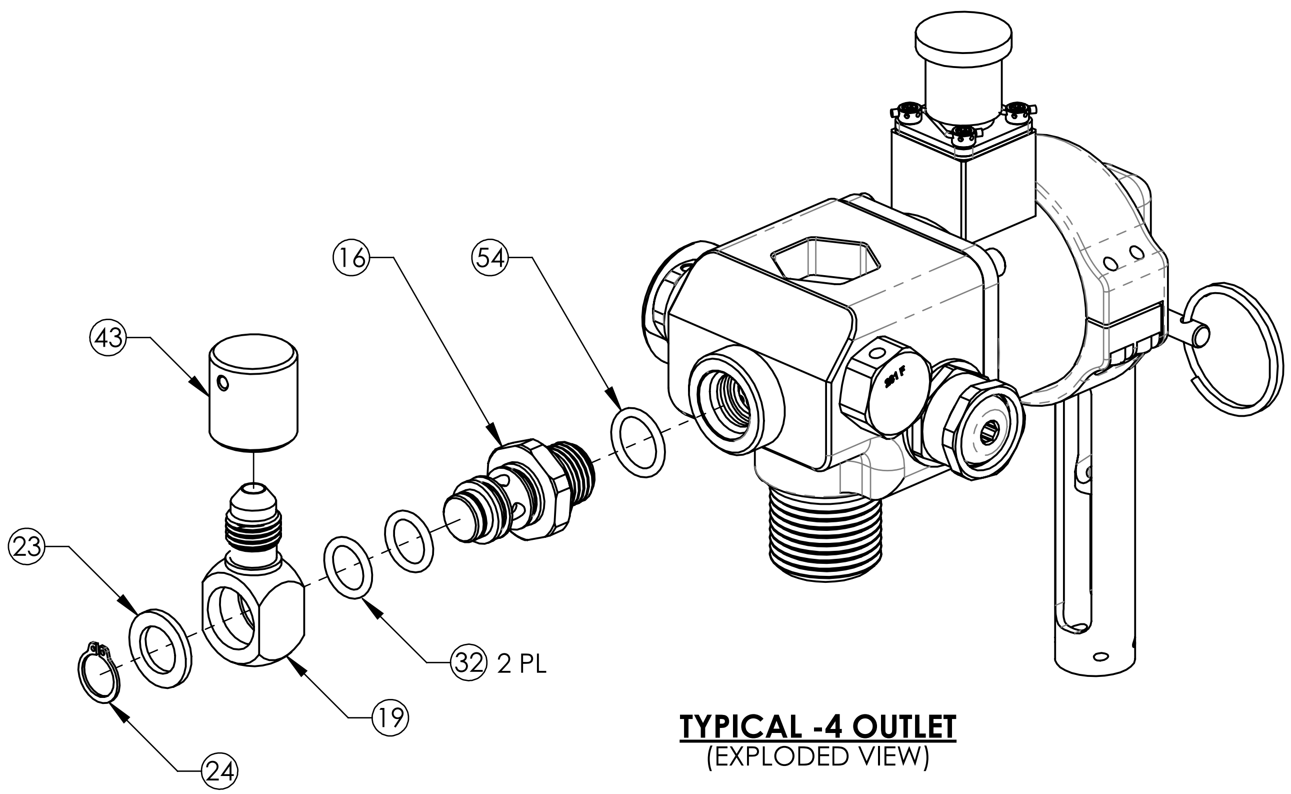
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ELECTRIC VALVE ASSY

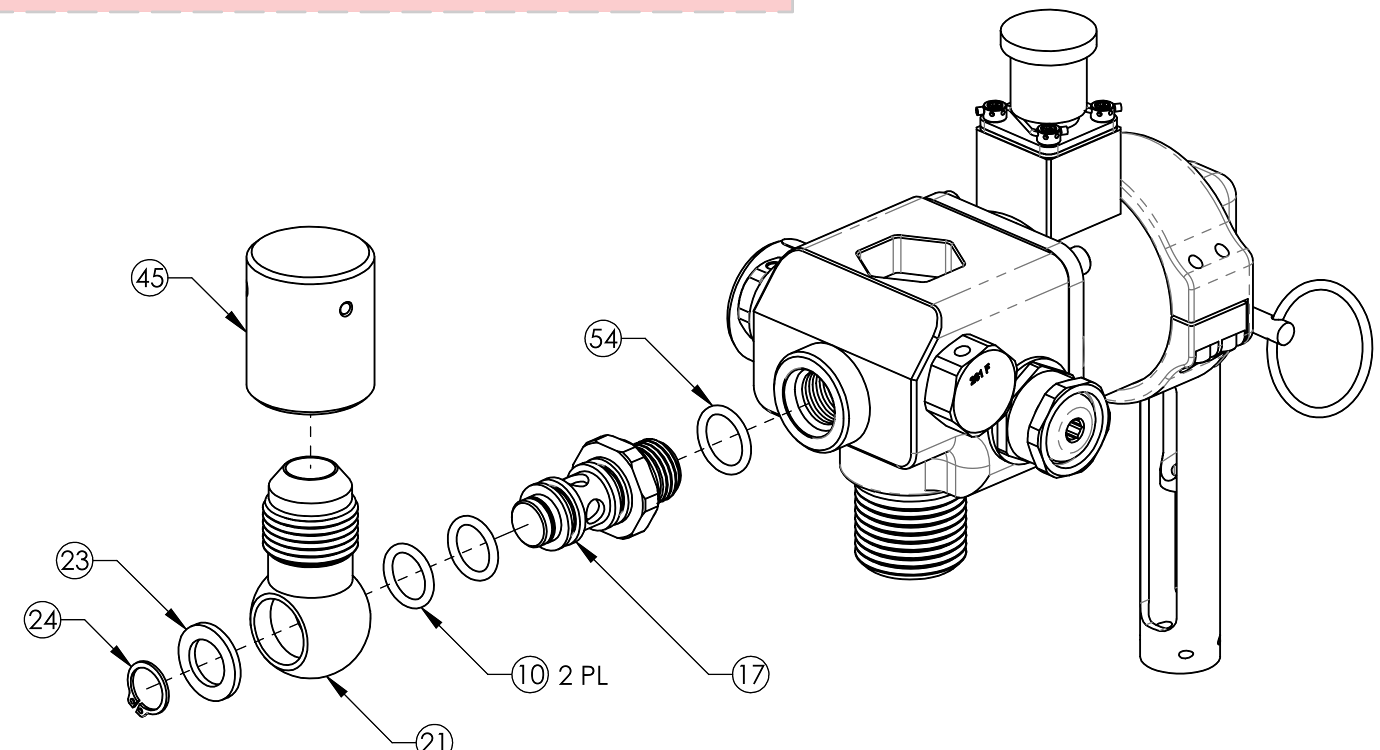
SIZE	CAGE CODE	DWG. NO.	REV.
B	07MZ6	650.5300	PJ3

SCALE NONE SHEET 9 OF 20

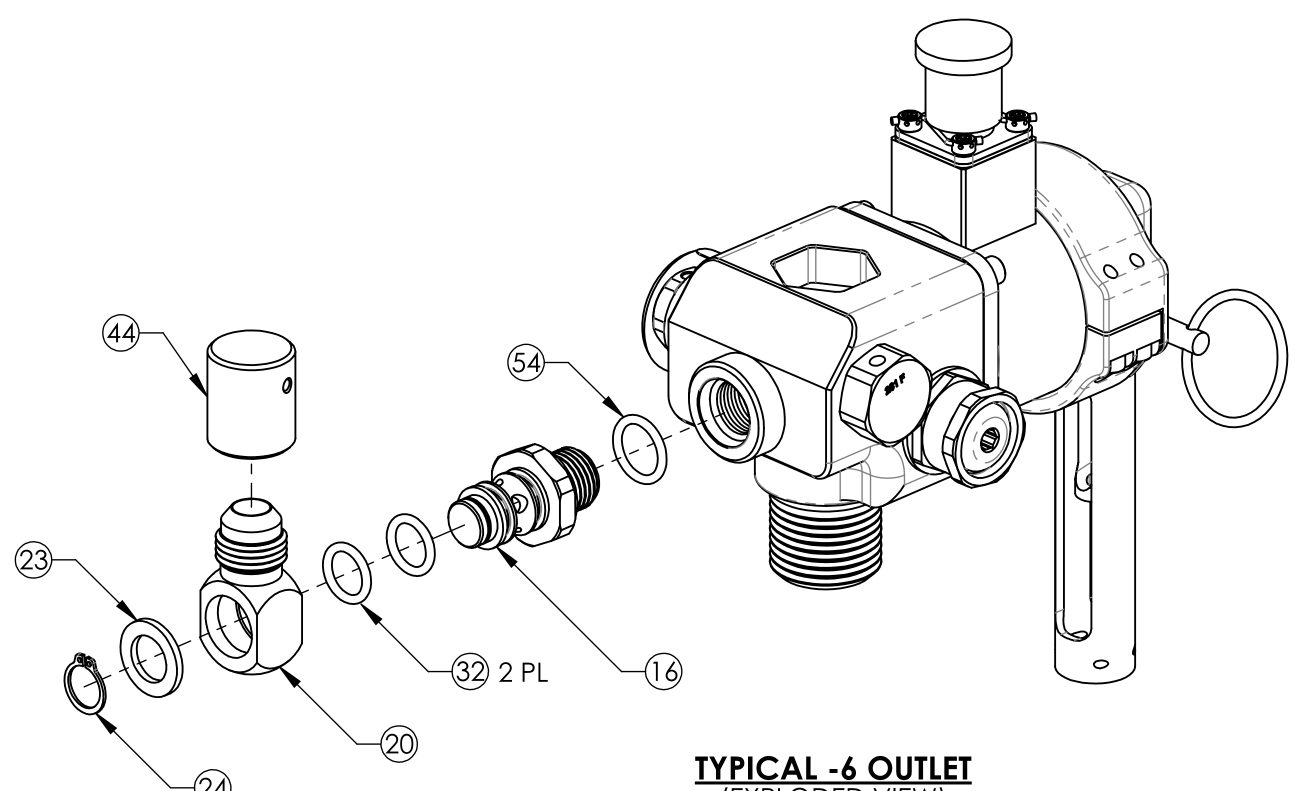
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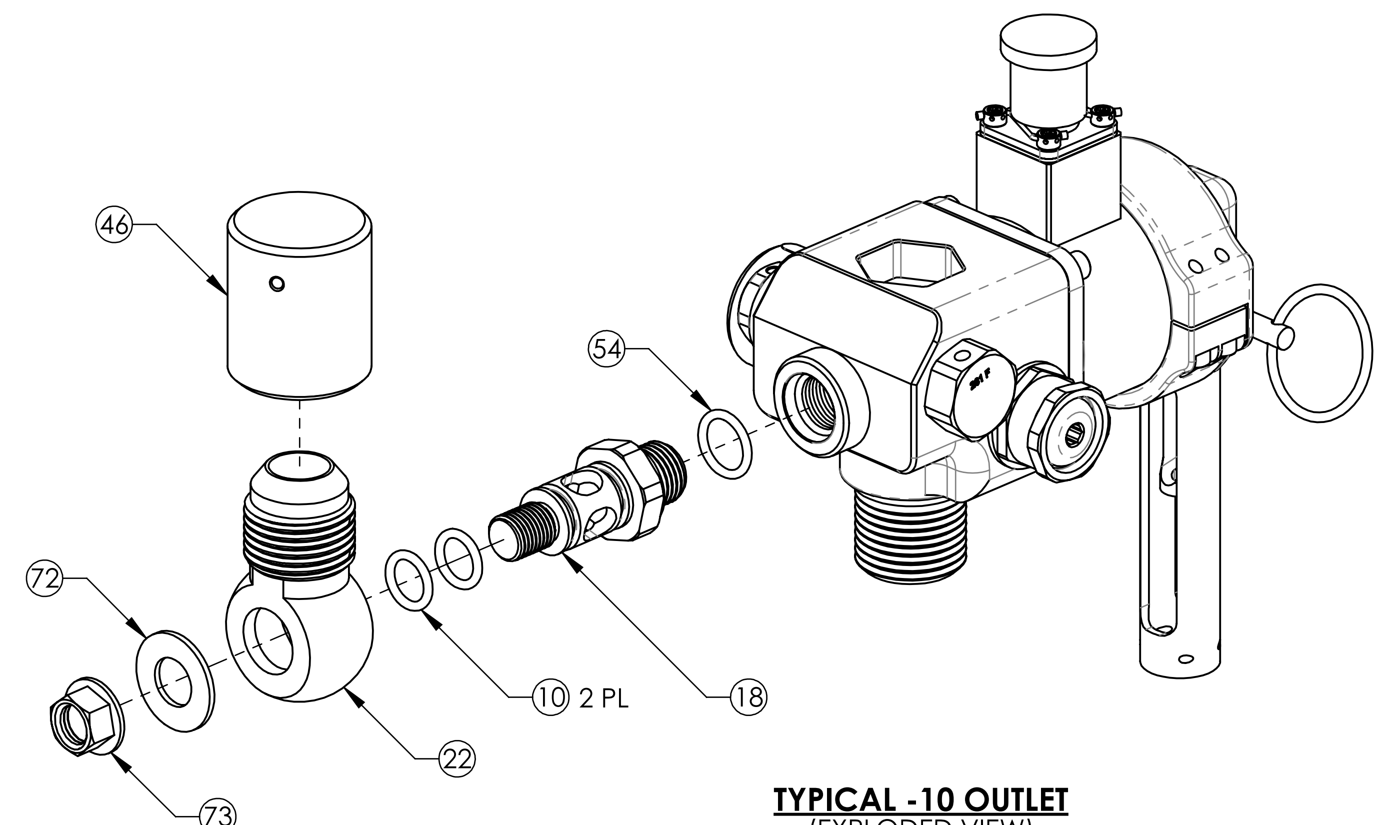
TYPICAL -4 OUTLET
(EXPLODED VIEW)



TYPICAL -8 OUTLET
(EXPLODED VIEW)

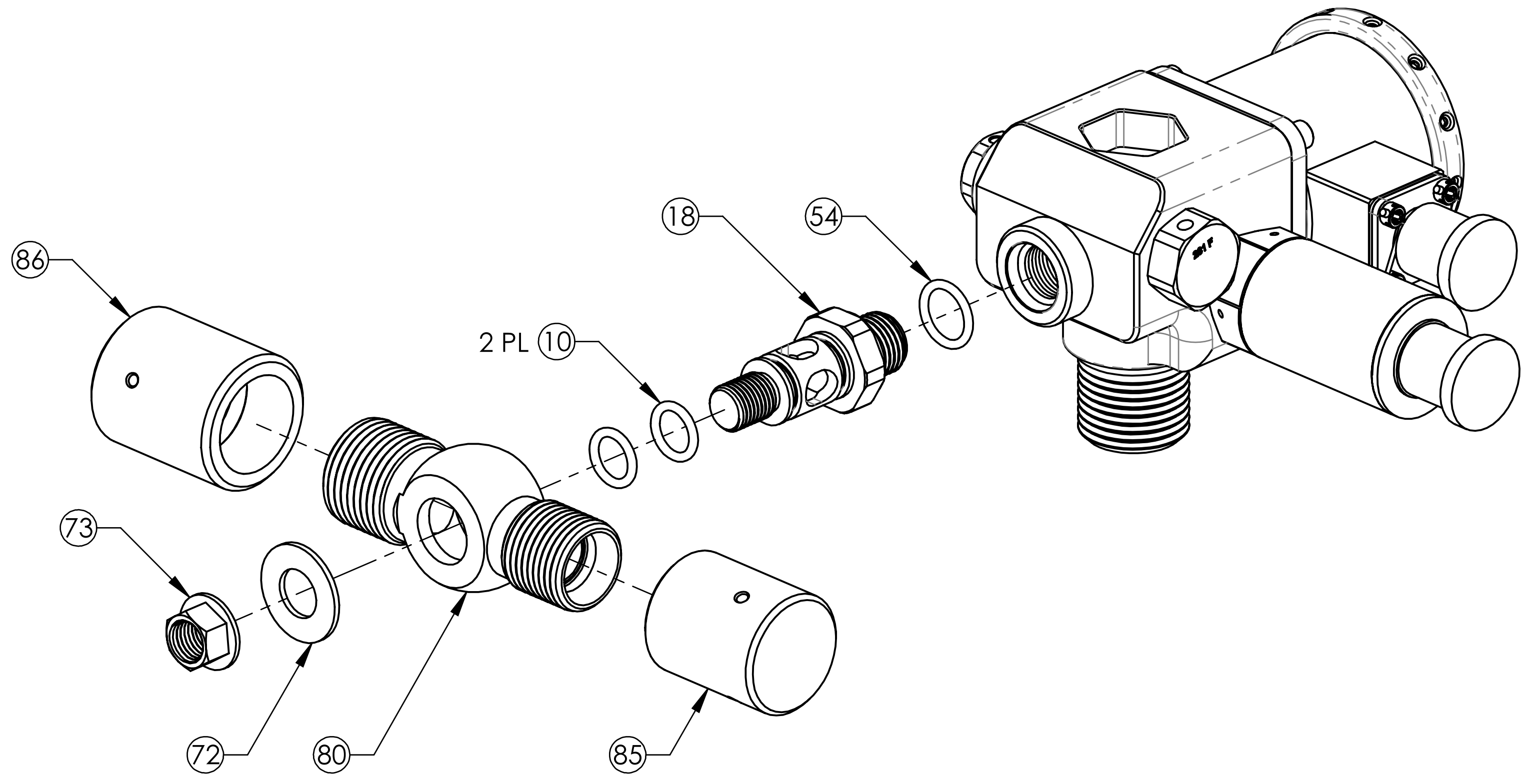


TYPICAL -6 OUTLET
(EXPLODED VIEW)



TYPICAL -10 OUTLET
(EXPLODED VIEW)

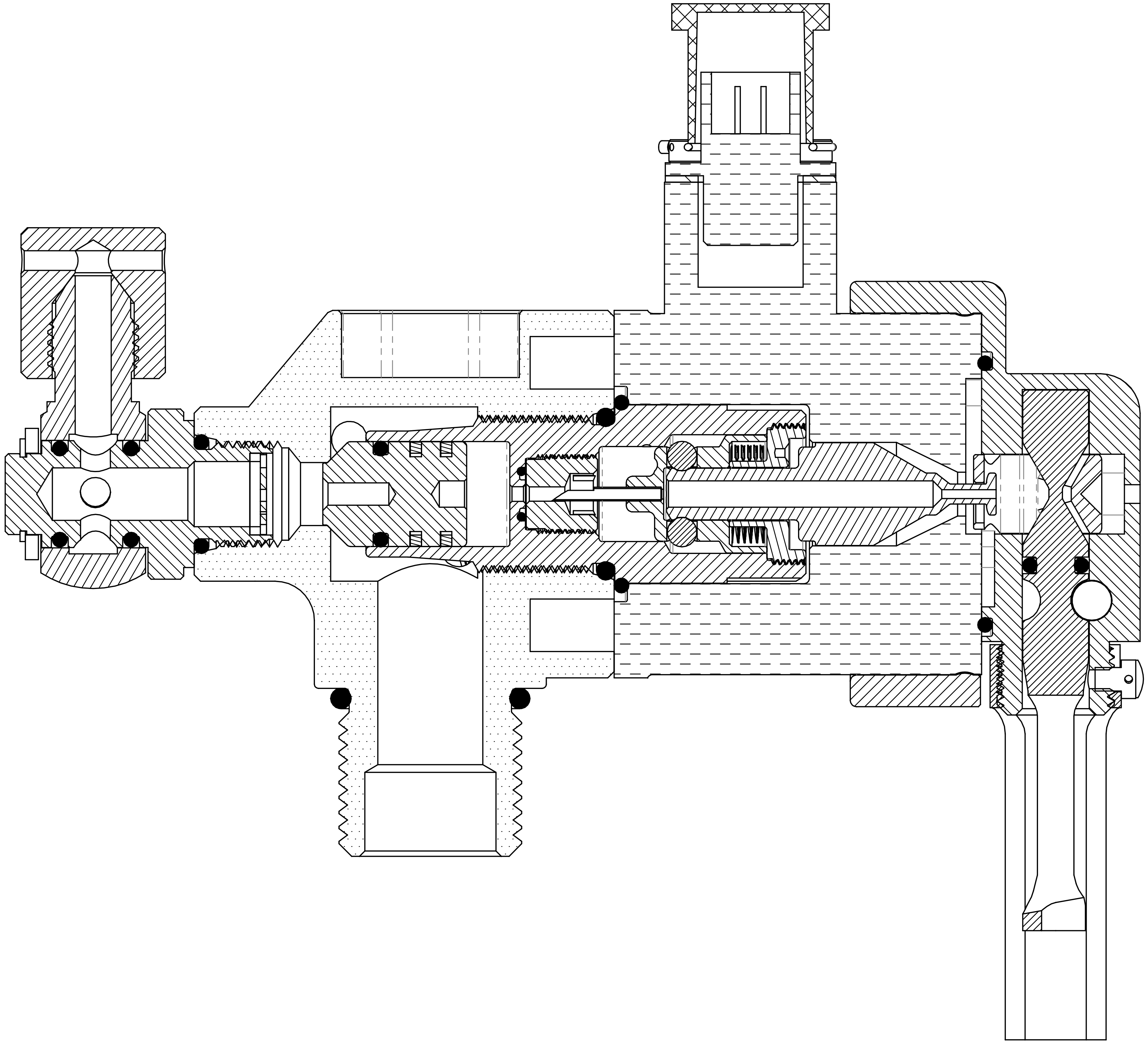
ORIGINAL DATE (MO-DA-YR) 05-30-14	DART AEROSPACE APICAL INDUSTRIES, INC. dba DART AEROSPACE 3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 (760)-724-5300
DRAWN BY J. GARDINER / CHECKER P. BRAVO	
DRAWING APPROVAL P. BRAVO 20.08.21	
CONTRACT No.	ELECTRIC VALVE ASSY
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ± .5°	SIZE B / CAGE CODE 07MZ6 / DWG. NO. 650.5300 / REV. PJ3
	SCALE NONE / SHEET 10 OF 20



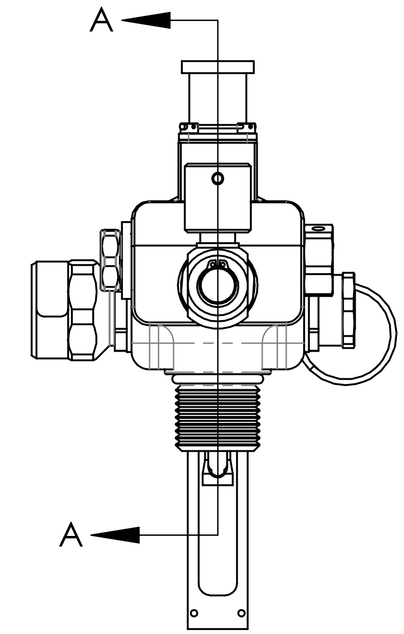
TYPICAL -8-10 OUTLET
(EXPLODED VIEW)

ORIGINAL DATE (MO-DA-YR) 05-30-14		DART AEROSPACE APICAL INDUSTRIES, INC. dba DART AEROSPACE	3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 (760)-724-5300
DRAWN BY J. GARDINER	CHECKER P. BRAVO		
DRAWING APPROVAL P. BRAVO 20.08.21			
CONTRACT No.		ELECTRIC VALVE ASSY	
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		SCALE NONE	SHEET 11 OF 20

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SECTION A-A
(ASSEMBLY REFERENCE)
(TYPICAL ELECTRICAL/MECHANICAL CONFIGURATION)



FRONT VIEW

ORIGINAL DATE (MO-DA-YR)	05-30-14
DRAWN BY J. GARDINER	CHECKER P. BRAVO
DRAWING APPROVAL P. BRAVO 20.08.21	
CONTRACT No.	

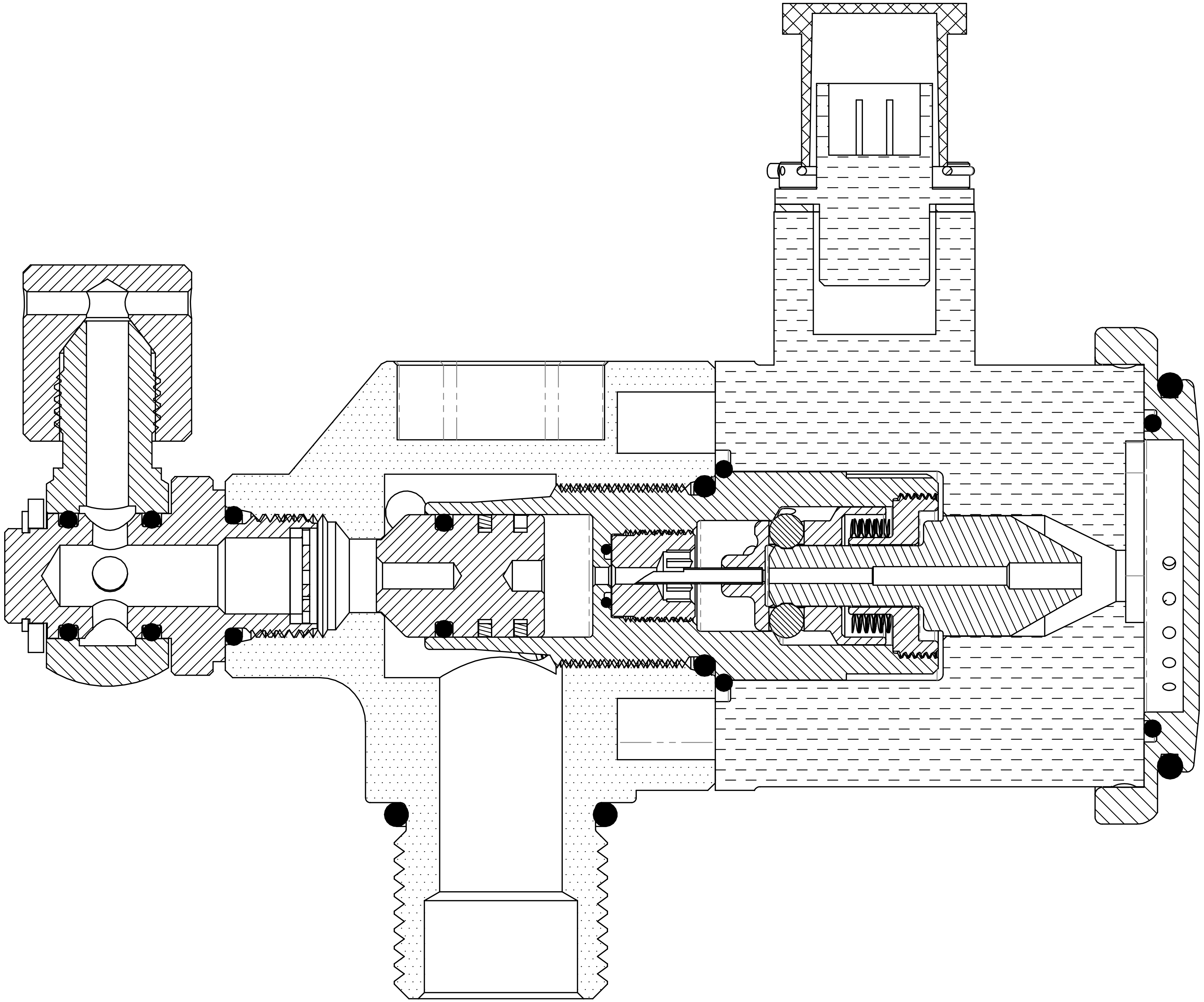
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ANGLES ± .5°

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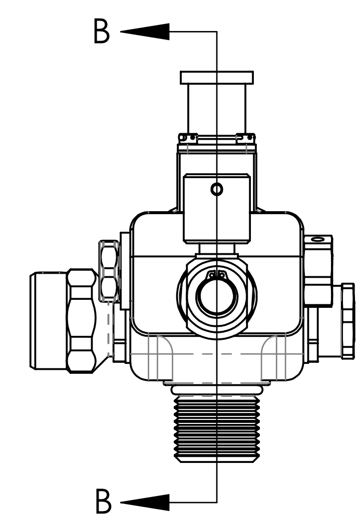
ELECTRIC VALVE ASSY

SIZE	CAGE CODE	DWG. NO.	REV.
B	07MZ6	650.5300	PJ3

SCALE NONE

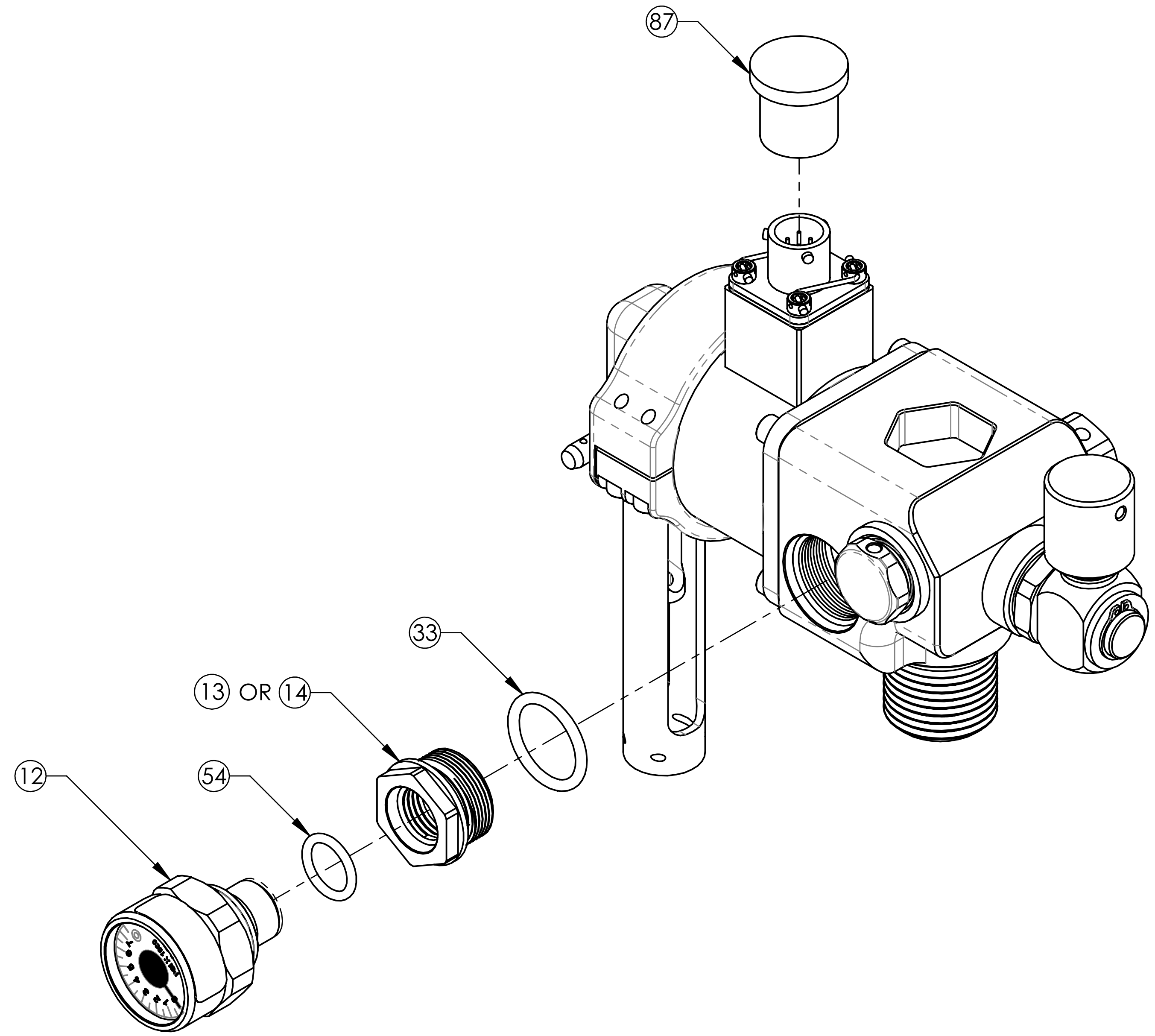


SECTION B-B
(ASSEMBLY REFERENCE)
(TYPICAL ELECTRICAL CONFIGURATION)



FRONT VIEW

ORIGINAL DATE (MO-DA-YR) 05-30-14	DART AEROSPACE APICAL INDUSTRIES, INC. dba DART AEROSPACE 3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 (760)-724-5300
DRAWN BY J. GARDINER / CHECKER P. BRAVO	
DRAWING APPROVAL P. BRAVO 20.08.21	
CONTRACT No.	ELECTRIC VALVE ASSY
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ± .5°	SIZE B / CAGE CODE 07MZ6 / DWG. NO. 650.5300 / REV. PJ3 SCALE NONE / SHEET 13 OF 20



650.5301 TO 650.5316 CONFIGURATIONS ONLY
(650.5301 SHOWN)

ORIGINAL DATE (MO-DA-YR)	05-30-14
DRAWN BY J. GARDINER	CHECKER P. BRAVO
DRAWING APPROVAL P. BRAVO 20.08.21	
CONTRACT No.	

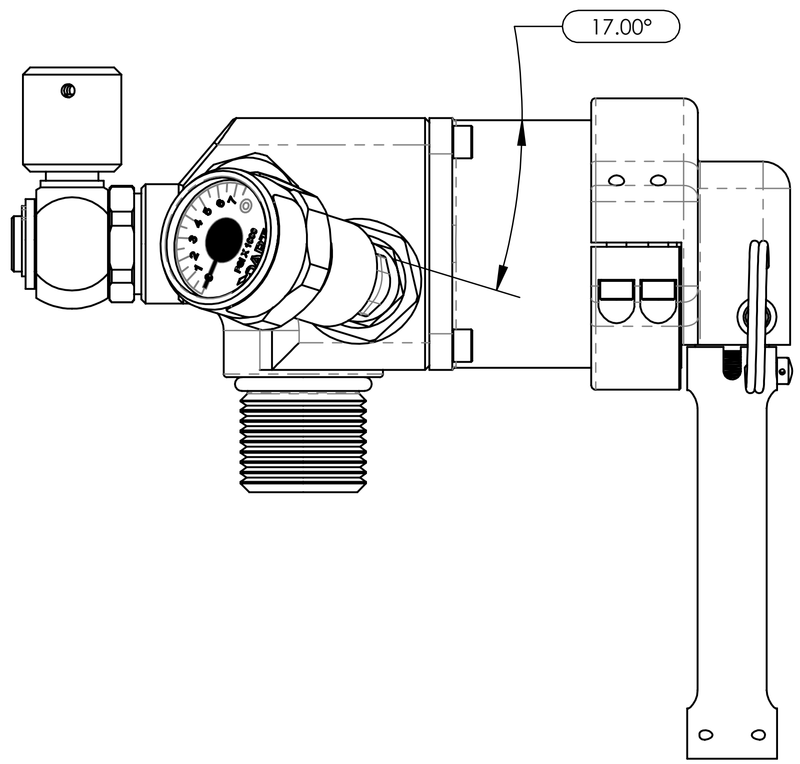
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ANGLES ± .5°

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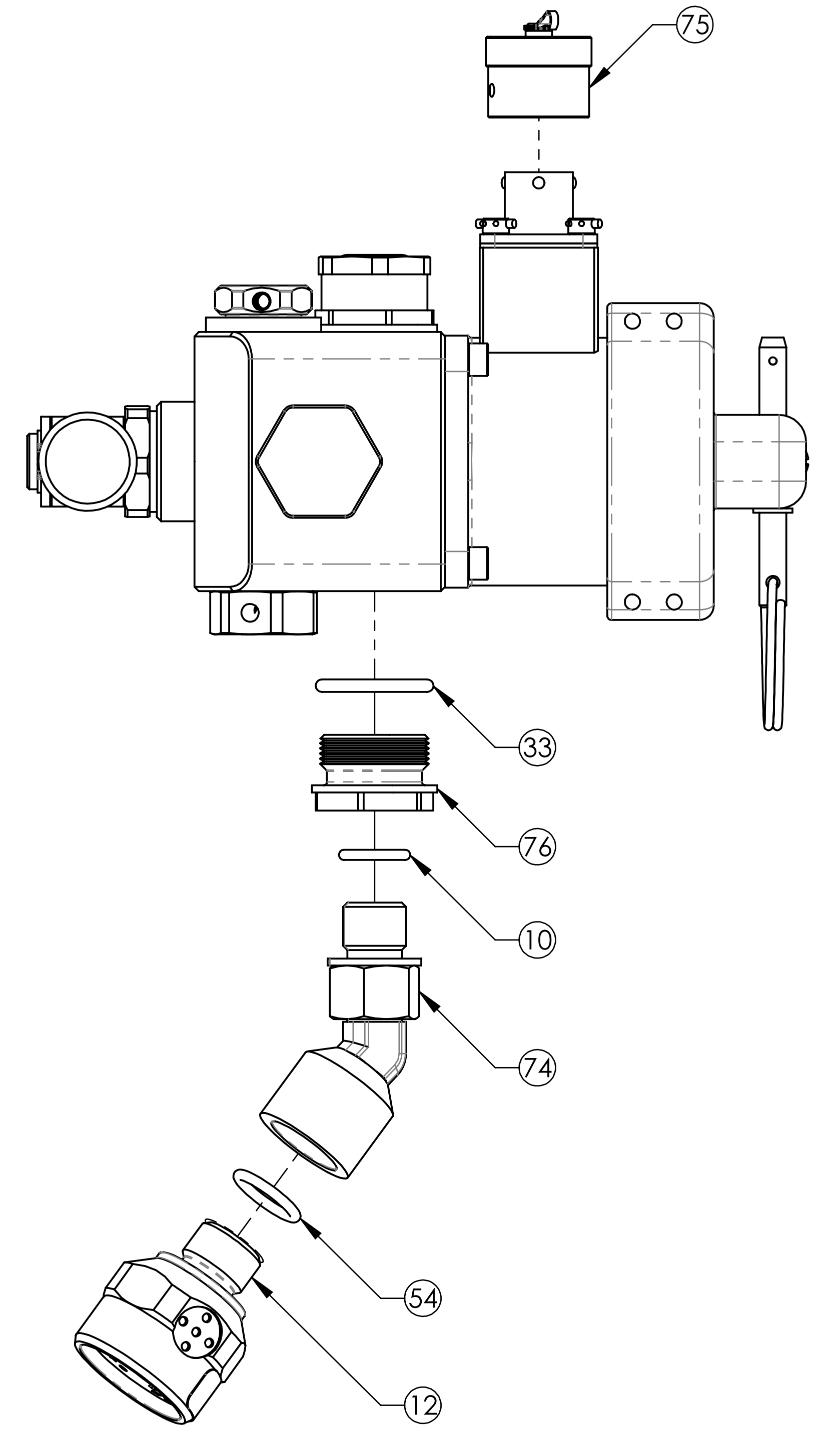
ELECTRIC VALVE ASSY

SIZE	CAGE CODE	DWG. NO.	REV.
B	07MZ6	650.5300	PJ3

SCALE NONE | SHEET 14 OF 20



650.5317 CONFIGURATION ONLY



ORIGINAL DATE (MO-DA-YR) 05-30-14
DRAWN BY J. GARDINER
CHECKER P. BRAVO
DRAWING APPROVAL P. BRAVO 20.08.21
CONTRACT No.

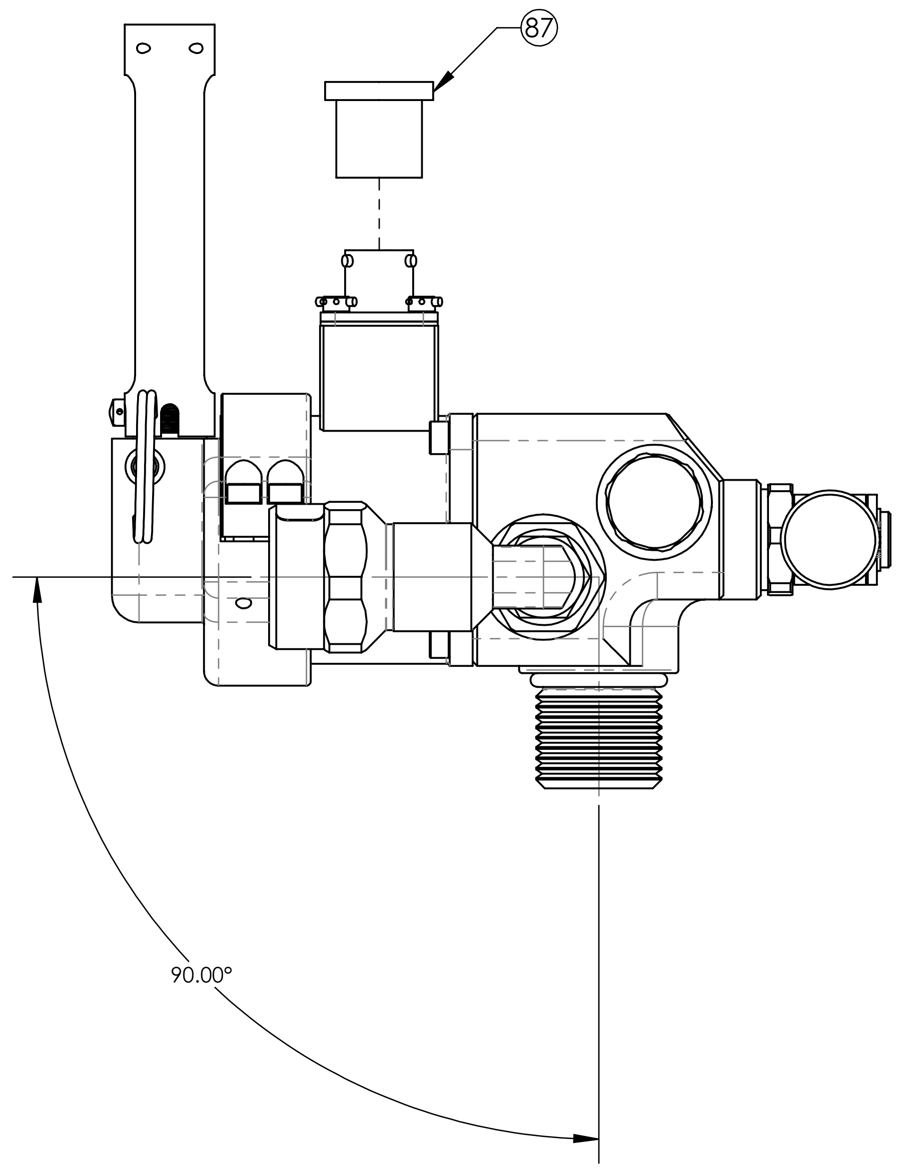
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
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ANGLES ± .5°

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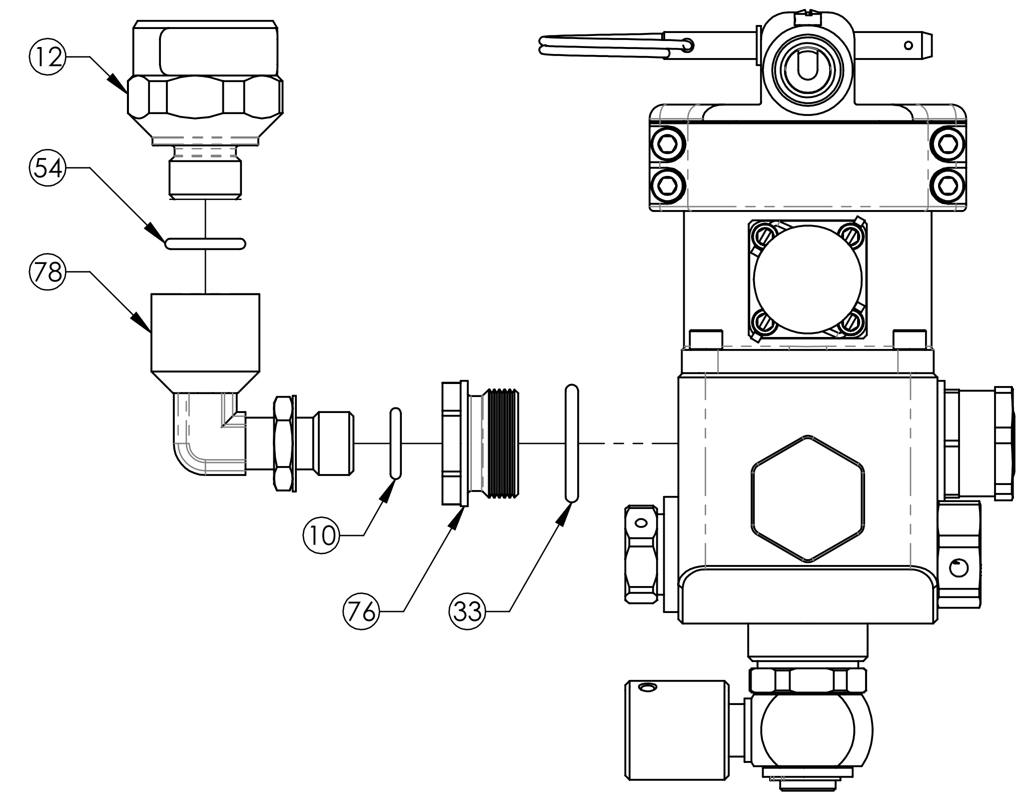
ELECTRIC VALVE ASSY

SIZE	CAGE CODE	DWG. NO.	REV.
B	07MZ6	650.5300	PJ3

SCALE NONE



650.5318 CONFIGURATION ONLY



ORIGINAL DATE (MO-DA-YR) 05-30-14	
DRAWN BY J. GARDINER	CHECKER P. BRAVO
DRAWING APPROVAL P. BRAVO 20.08.21	
CONTRACT No.	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ± .5°	

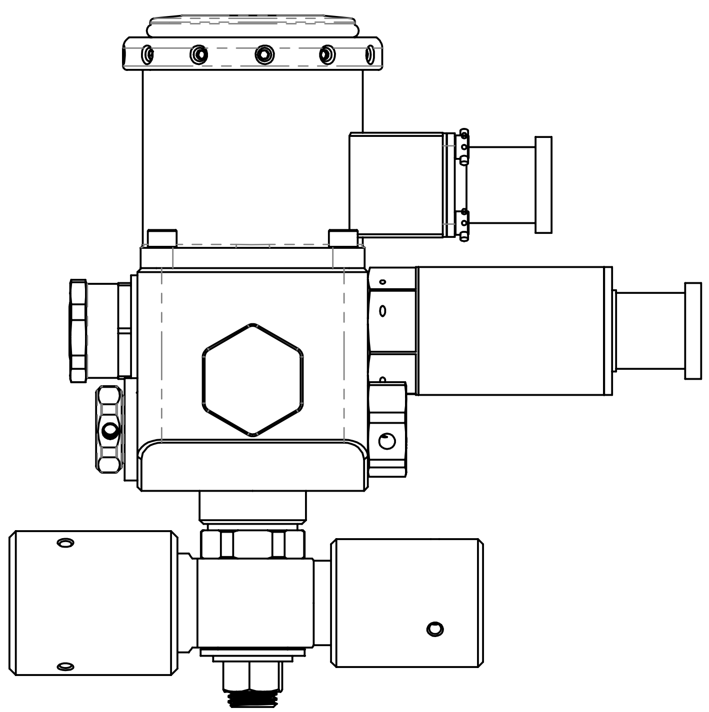
DART AEROSPACE
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ELECTRIC VALVE ASSY

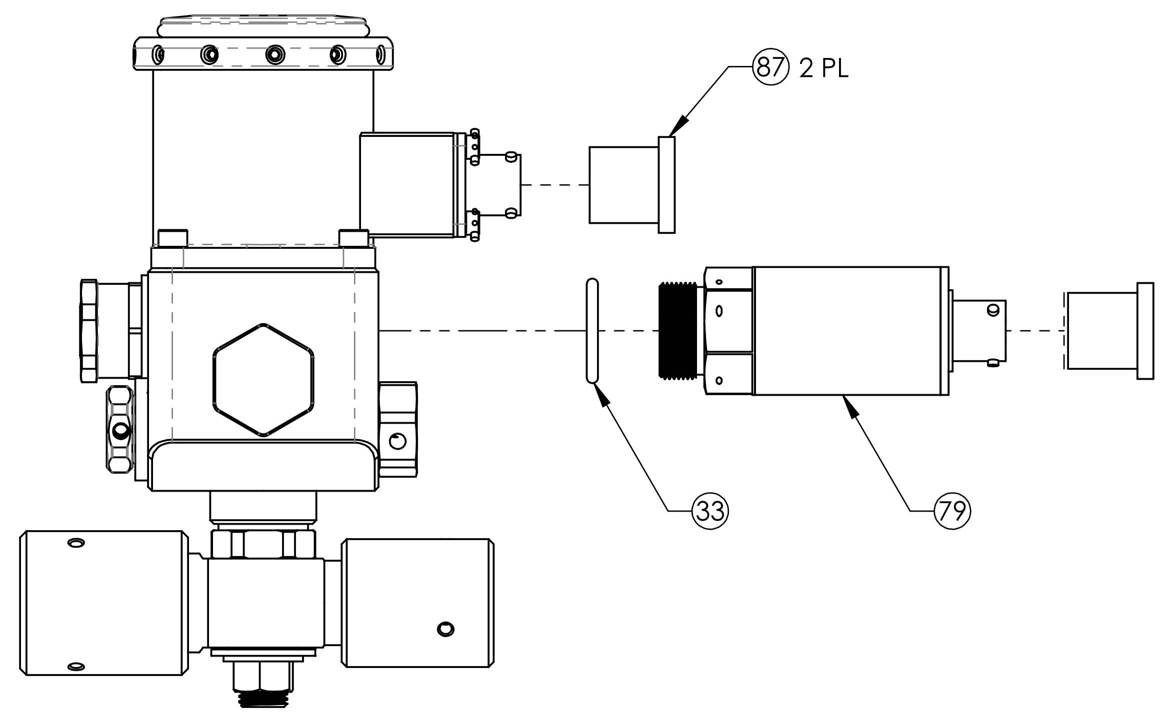
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B	07MZ6	650.5300	PJ3

SCALE NONE

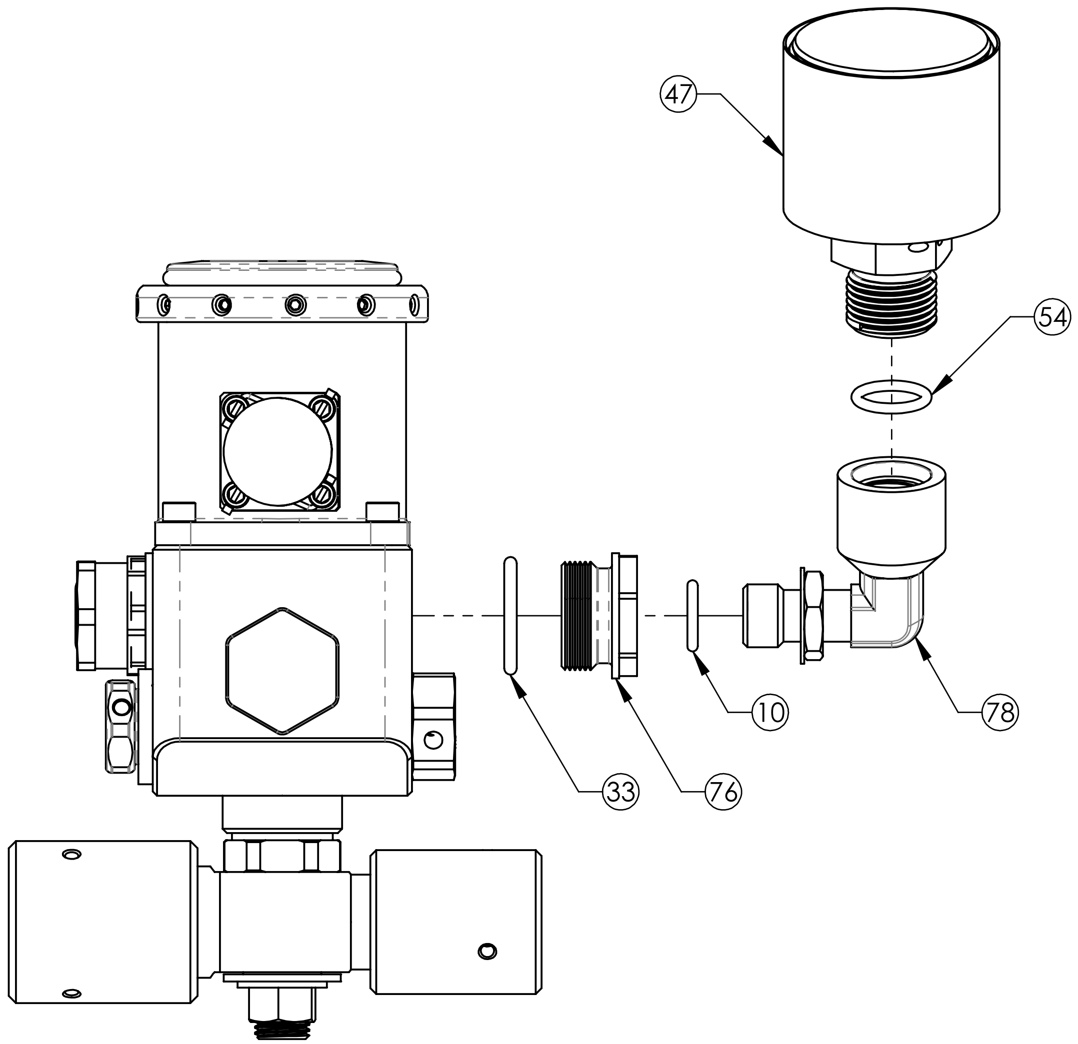
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650.5319 CONFIGURATION ONLY

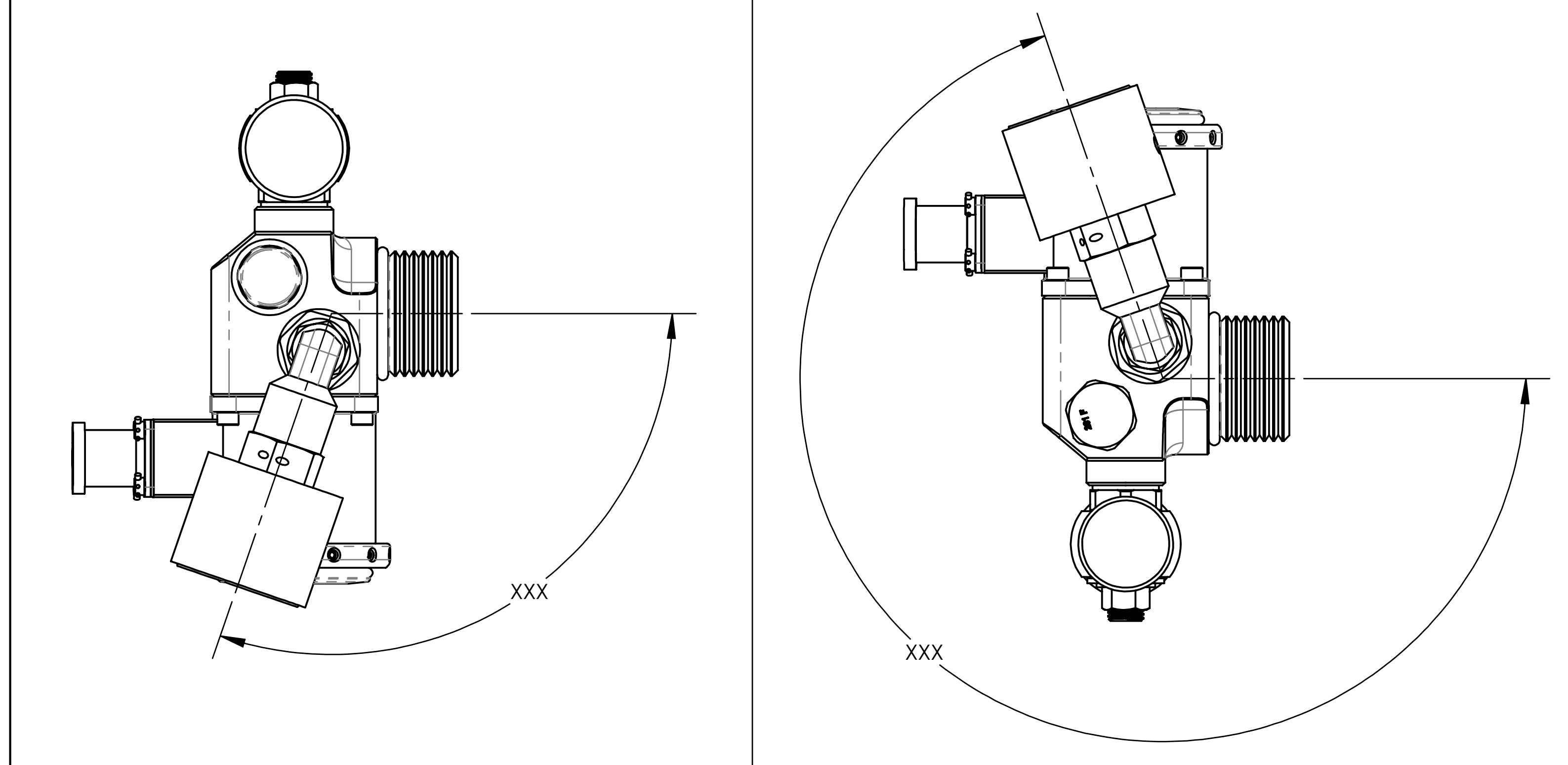


ORIGINAL DATE (MO-DA-YR) 05-30-14	DART AEROSPACE APICAL INDUSTRIES, INC. dba DART AEROSPACE 3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 (760)-724-5300
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CONTRACT No.	ELECTRIC VALVE ASSY
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	SCALE NONE / SHEET 17 OF 20



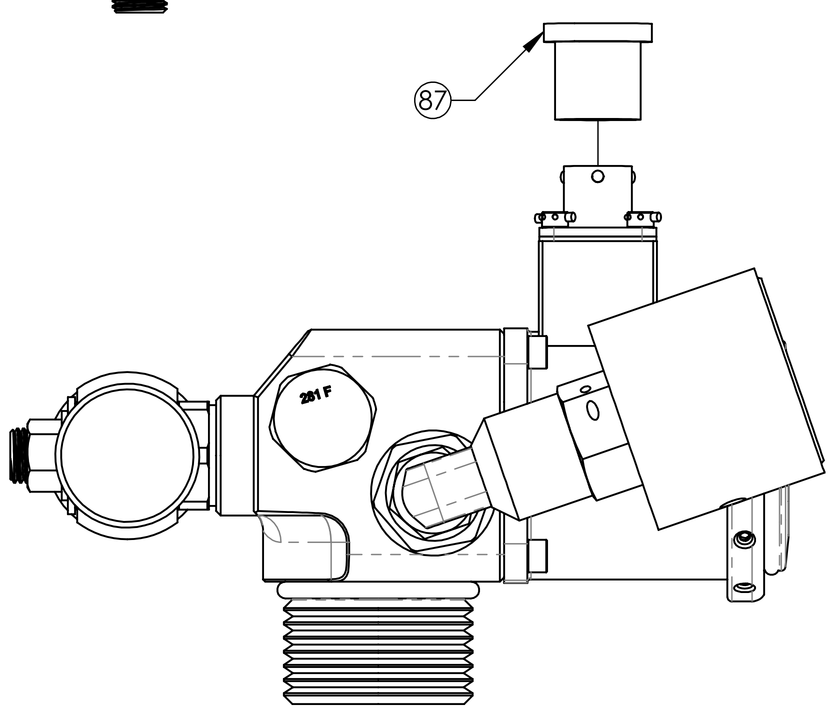
GAUGE ORIENTATION - 650.5320 - XX - ELEC - XX - XXX

DEGREES FROM EXTERNAL THREAD OF BODY TO CENTERLINE OF GAUGE AS SHOWN.



650.5320 - XX - ELEC - 01 - XXX SHOWN

650.5320 - XX - ELEC - 02 - XXX SHOWN



650.5320 CONFIGURATION ONLY

ORIGINAL DATE (MO-DA-YR)	05-30-14
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CONTRACT No.	

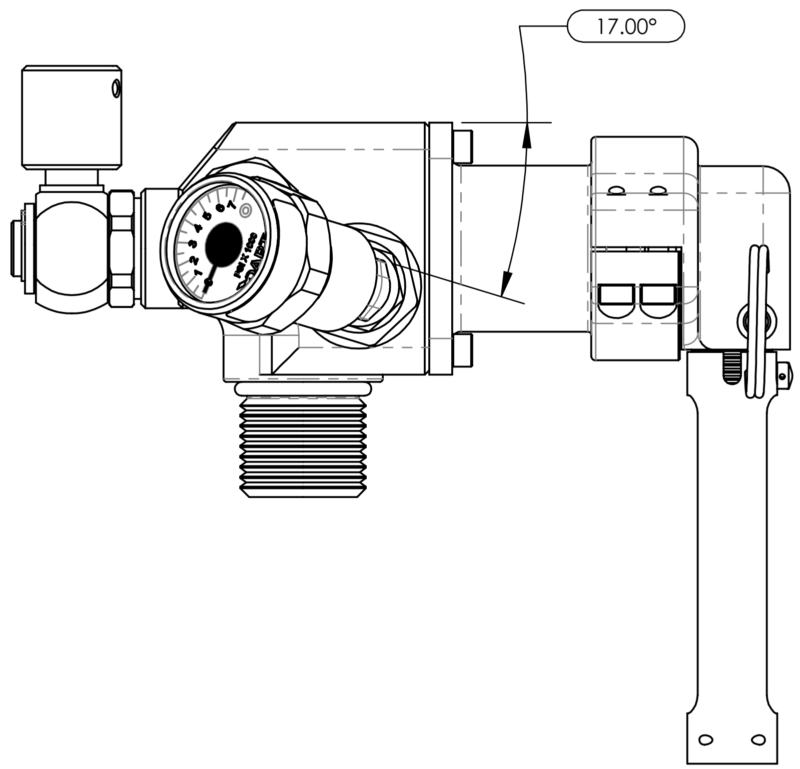
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ANGLES ± .5°

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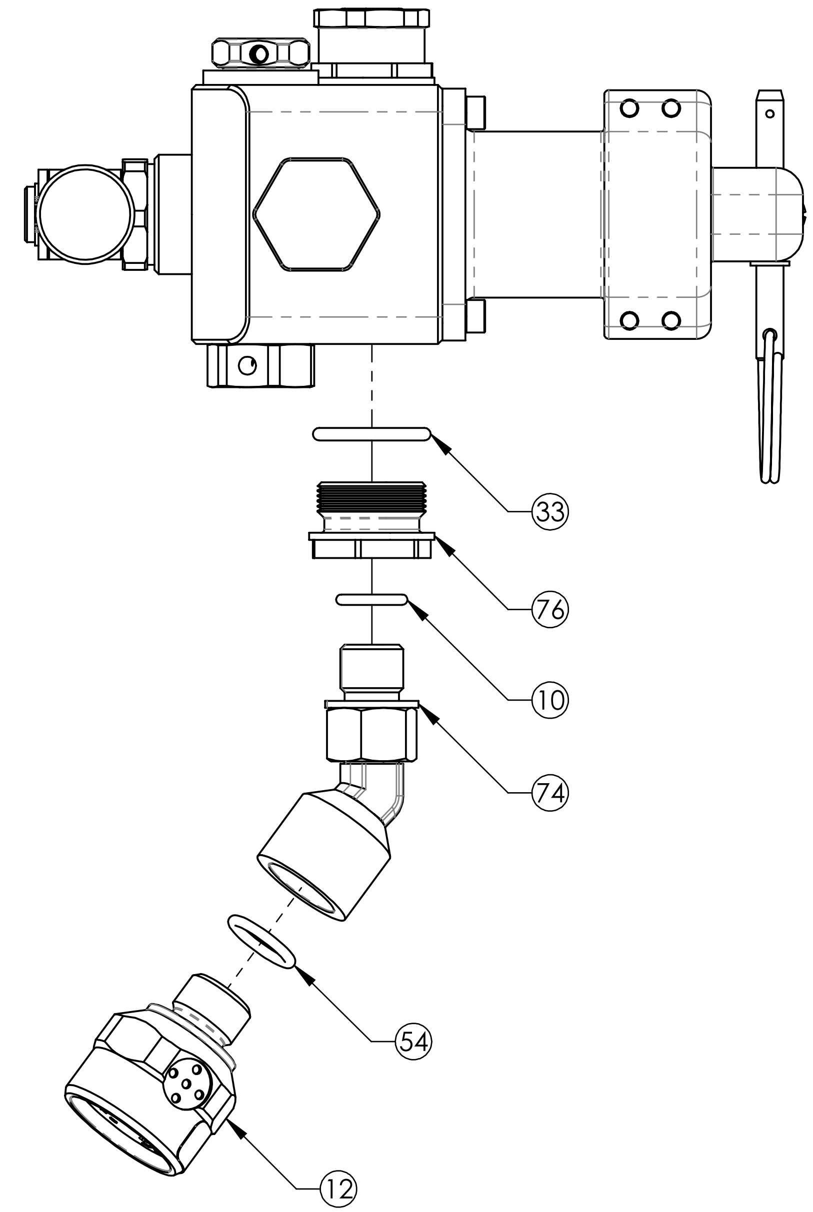
ELECTRIC VALVE ASSY

SIZE	CAGE CODE	DWG. NO.	REV.
B	07MZ6	650.5300	PJ3

SCALE NONE



650.5321 CONFIGURATION ONLY



ORIGINAL DATE (MO-DA-YR)	05-30-14
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CONTRACT No.	

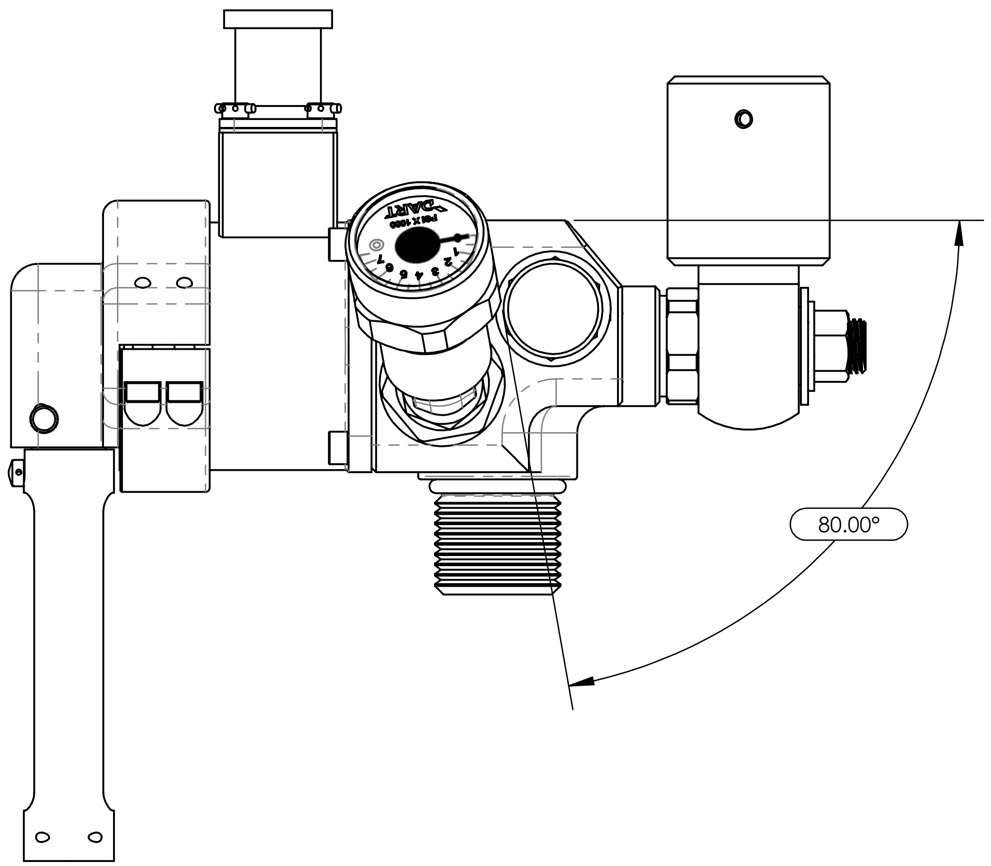
UNLESS OTHERWISE SPECIFIED
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3 PLACE DECIMALS ±.005
ANGLES ± .5°

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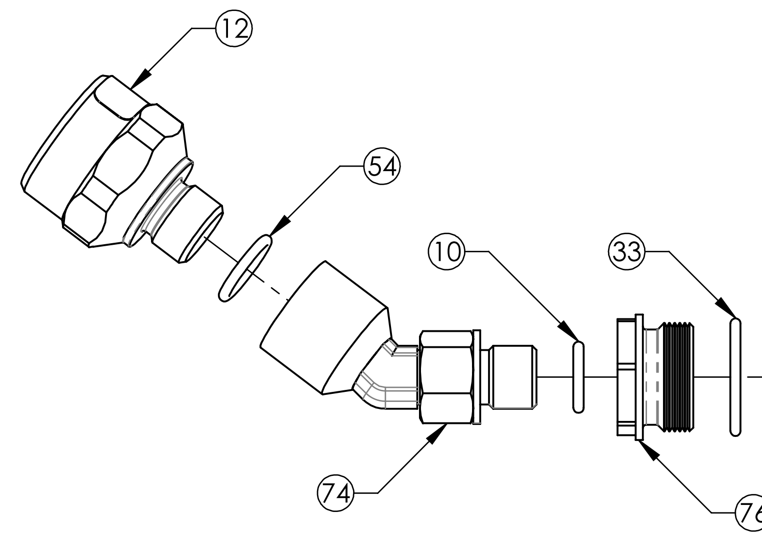
ELECTRIC VALVE ASSY

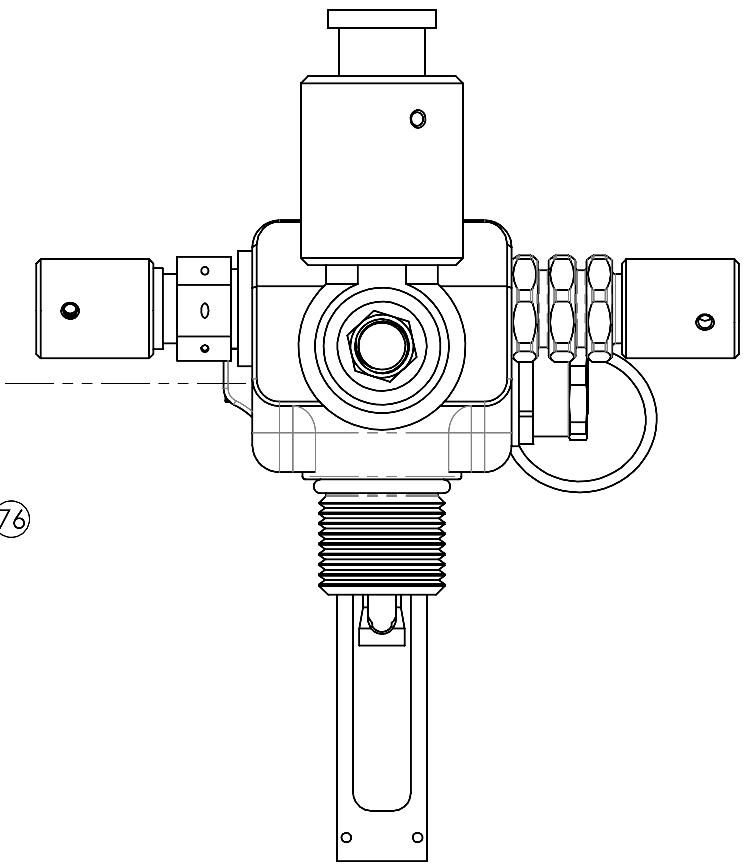
SIZE	CAGE CODE	DWG. NO.	REV.
B	07MZ6	650.5300	PJ3

SCALE NONE



650.5322 CONFIGURATION ONLY





ORIGINAL DATE (MO-DA-YR) 05-30-14	DART AEROSPACE APICAL INDUSTRIES, INC. dba DART AEROSPACE	3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 (760)-724-5300
DRAWN BY J. GARDINER / CHECKER P. BRAVO		
DRAWING APPROVAL P. BRAVO 20.08.21		
CONTRACT No.	ELECTRIC VALVE ASSY	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ± .5°	SIZE B / CAGE CODE 07MZ6 / DWG. NO. 650.5300	REV. PJ3
	SCALE NONE	SHEET 20 OF 20